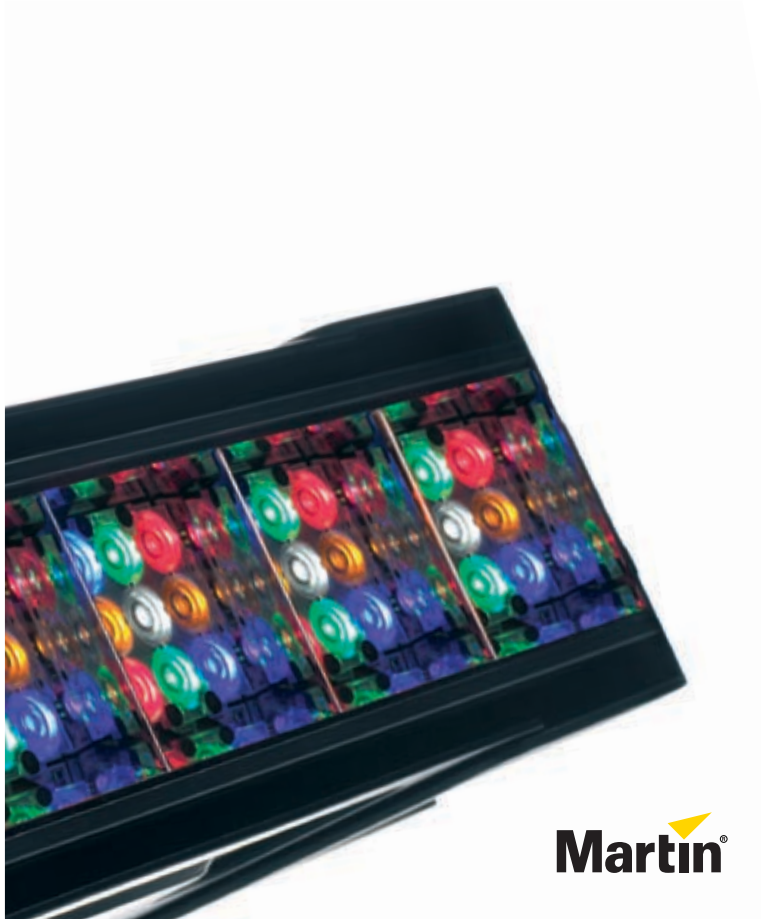
PRODUCT GUIDE

Volume 7



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INTRODUCTION

Martin is at heart a group of highly skilled individuals, united in their passion to find the most innovative entertainment and architectural lighting solutions.

Martin prides itself on the level of excellence it engineers into every product. This quality is reflected in factors such as reduced operation and maintenance costs, high efficiency in optical performance, and second-to-none product durability.

When you buy Martin, you invest in equipment that will maintain its value and performance for years to come. On top of this, Martin stands alone as the only dynamic lighting manufacturer to offer a complete and comprehensive service package anywhere in the world, 7 days a week, 24 hours a day.

This ensures our products will continue to operate at their optimum performance year after year, no matter how challenging the environment, and give you a true and healthy return on your investment.

This product guide takes you through our entire range of entertainment and architectural products. You will find here a wealth of useful information intended to give you a brief but comprehensive overview of our entire range.

For all the latest details on individual products including brochures, illustrations, videos, images, photometrics and full technical data, contact your nearest dealer or view the complete range at www.martin.com.

Martin Professional
March 2008

MOVING HEADS

MAC 2000 Wash XB™

MAC 2000 WASH™

MAC 2000 PROFILE II™

MAC 2000 PERFORMANCE II™

MAC TW1™

MAC 700 WASH™

MAC 700 PROFILE™

MAC 600™

MAC 600 E NT™

MAC 575 KRYPTON™

MAC 250 KRYPTON™

MAC 250 ENTOUR™

MAC 250 WASH™

smartMAC™

	MAC 2000 PROFILE II™	MAC 2000 PERFORMANCE II™	MAC 700 PROFILE™	MAC 575 KRYPTON™	MAC 250 KRYPTON™	MAC 250 ENTOUR™	smartMAC™
LAMP							
Type & Wattage	1200 W short arc discharge lamp	1200 W short arc discharge lamp	700 W short arc discharge lamp	575 W discharge lamp	250 W long life discharge lamp	250 W long life discharge lamp	150 W discharge lamp
PHOTOMETRICS							
Total Output (depending on lens)	Up to 19000 lumens	Up to 23000 lumens	Up to 14700 lumens	Up to 11100 lumens	Up to 5000 lumens	Up to 5000 lumens	Up to 4600 lumens
COLOR							
CMY	Yes	Yes	Yes	–	–	–	–
Variable CTC	Yes	Yes	–	–	–	–	–
Color/Gobo Wheel	Combined 7 position color/ gobo wheel plus open	–	8 position color wheel plus open	2 x 8 position color wheels plus open	12 position color wheel plus open	12 position color wheel plus open	8 interchangeable color filters plus open
OPTICS							
Mechanical Dimming	Yes	Yes	Yes	Yes	Yes	Yes	Fadeable shutter
Lens Options	Optional beam expander	Motorized beam expander	–	–	–	14° lens included	–
Zoom	Motorized zoom and focus	Motorized zoom and focus	Motorized zoom and focus	Motorized zoom and focus	Motorized focus	Motorized focus	Motorized focus
EFFECTS							
Animation System	–	Gobo animation wheel with full movement / direction control	Gobo animation wheel with full movement / direction control	–	–	–	–
Framing	–	Automated framing system	–	–	–	–	–
Motorized Iris	Yes	Yes	Yes	Yes	–	–	–
Prism/Frost/Beam Shaper	Variable frost, 3-facet prism	Variable frost, 9-facet prism	Interchangeable 3-facet rotating prism	Interchangeable 4-facet rotating prism	Interchangeable 3-facet rotating prism	Interchangeable 3-facet rotating prism	–
Rotating Gobos	2 x 5 indexable rotating gobos plus open	5 indexable rotating gobos plus open	6 indexable rotating gobos plus open	6 indexable rotating gobos plus open	7 indexable rotating gobos plus open	7 indexable rotating gobos plus open	6 indexable rotating gobos plus open
Static Gobos	–	–	9 static gobos plus open	9 static gobos plus open	–	10 static gobos plus open	–
Strobe Effect	Up to 10 Hz	Up to 10 Hz	Up to 10 Hz	Up to 10 Hz	Up to 14 Hz	Up to 14 Hz	Fadeable, up to 9 Hz
MOVEMENT							
Pan & Tilt	Pan and tilt range of 540°/267°	Pan and tilt range of 540°/267°	Pan and tilt range of 540°/246°	Pan and tilt range 540°/246°	Pan and tilt range of 540°/257°	Pan and tilt range of 540°/257°	Pan and tilt range of 540°/257°
ELECTRICAL							
Ballast	Opt. elect. ballast with hot lamp restrike and flicker free light	Electronic ballast with hot lamp restrike and flicker free light	Electronic ballast with hot lamp restrike and flicker free light	–	–	–	–
PHYSICAL							
Weight	45 kg	39.5 kg	34.5 kg	37.8 kg	22.4 kg	22.4 kg	21 kg

	MAC 2000 WASH XB™	MAC 2000 WASH™	MAC TW1™
LAMP			
Type & Wattage	1500 W short arc discharge lamp	1200 W short arc discharge lamp	1200 W tungsten halogen lamp
PHOTOMETRICS			
Total Output (depending on lens)	Up to 63100 lumens	Up to 45300 lumens	Up to 14200 lumens
COLOR			
CMY	Yes	Yes	Yes
Variable CTC	Yes	Yes	–
Color/Gobo Wheel	2 x 4 position color wheels plus open	2 x 4 position color wheels plus open	–
OPTICS			
Mechanical Dimming	Yes	Yes	Internal & external electronic- plus mechanical dimming
Lens Options	PC, Fresnel and super-wide (all included) and micro-Fresnel	PC, Fresnel and super-wide (all included) and micro-Fresnel	Fresnel (included), narrow, and super-wide
Zoom	Motorized zoom	Motorized zoom	Motorized zoom
EFFECTS			
Prism/Frost/Beam Shaper	–	–	–
Strobe Effect	Up to 10 Hz	Up to 10 Hz	Up to 10 Hz
MOVEMENT			
Pan & Tilt	Pan and tilt range of 540°/267°	Pan and tilt range of 540°/267°	Pan and tilt range of 540°/242°
ELECTRICAL			
Ballast	Electronic ballast with hot lamp restrike and flicker free light	Electronic ballast with hot lamp restrike and flicker free light	IGBT or 80 V dimmer options for universal operating voltage
PHYSICAL			
Weight	38 kg	34 kg	26.8 kg, IGBT dimmer model 27.4 kg, 80 V dimmer model

	MAC 700 WASH™	MAC 600™	MAC 600 E NT™	MAC 250 WASH™
LAMP				
700 W short arc discharge lamp	575 W discharge lamp	575 W discharge lamp	250 W long life discharge lamp	
PHOTOMETRICS				
Up to 18700 lumens	Up to 25300 lumens	Up to 25300 lumens	Up to 7700 lumens	
COLOR				
Yes	Yes	Yes	Yes	
Yes	–	Yes	–	
8 position color wheel plus open	4 position color wheel plus open	4 position color wheel plus open	6 position color wheel plus open	
OPTICS				
Yes	Yes	Yes	Yes	
–	18°, 25° (standard) and 65° lens options	18°, 25° (standard), 65° and 80° lens option	Fresnel (standard) super -wide lens (included)	
Motorized zoom	–	–	–	
EFFECTS				
Indexing & rotating beam shaper	Frost and indexable beam shaper	Frost and indexable beam shaper	Variable frost filter	
Up to 10 Hz	Up to 8 Hz	Up to 8 Hz	Up to 14 Hz	
MOVEMENT				
Pan and tilt range of 540°/246°	Pan and tilt range of 440°/306°	Pan and tilt range of 440°/306°	Pan and tilt range of 540°/257°	
ELECTRICAL				
Electronic ballast with hot lamp restrike and flicker free light	–	Electronic ballast and flicker free light	–	
PHYSICAL				
32 kg,	31.5 kg	25.4 kg	22.9 kg	

MAC 2000 WASH XB™

The MAC 2000 Wash XB takes the proven qualities of the market's wash light of choice, the MAC 2000, and adds even greater brightness.

Features

- 1500 W short arc discharge
- Total output up to 63100 lumens
- CMY color mixing system
- 2 x 4 position color wheels plus open
- Variable CTC
- Motorized zoom
- PC, Fresnel and super-wide (all included) and micro-Fresnel
- Mechanical dimming
- Strobe effect up to 10 Hz, pulse effects, instant open and blackout
- Pan and tilt range of 540°/267°
- Variable fan control for quieter operation
- Electronic ballast with hot lamp restrike and flicker free light

Specifications

Length:	408 mm (16.1 in.)
Width:	490 mm (19.3 in.)
Height:	750 mm (29.5 in.), head straight up
Weight:	38 kg (83.8 lbs.)

LAMP

Type:	1500 W short arc discharge
Fitted as standard:	Osram HTI 1500 W/D7/60 SharXS
Color temperature:	6000 K
CRI (Color rendering index):	>90
Average lifetime:	750 hours
Hot restrike:	Yes
Socket:	Double-ended SFc 10-4 with key
Ballast:	Electronic

DYNAMIC EFFECTS

Color mixing:	CMY, independently variable 0 - 100%
Color correction:	0 - 178 mireds, continuously variable
Color wheel:	2 wheels, each with 4 interchangeable filters + open position
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 10 Hz, pulse effects, instant open and blackout
Zoom:	Motorized
Hyper mode:	Narrow beam with diffuser removed
Pan/tilt:	540°/267°

OPTICS

Beam angle: PC lens 12.5° - 35°, Fresnel lens 12.5° - 39°, multi-array super-wide lens 73° - 91°, 1/10 peak angles, with 50 mm (2.0 in.) aperture

CONTROL AND PROGRAMMING

DMX channels:	19/21
Setting and addressing:	Control panel with LED display
16-bit control:	Pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP20

INSTALLATION

Mounting points:	4 pairs of 1/4-turn locks, 45° orientation possible
Orientation:	Any

ELECTRICAL

AC power:	200-240 V nominal, 50/60 Hz
Power supply unit:	Auto-ranging electronic switch-mode

APPROVALS

EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
EU safety:	EN 60598-2-17
Canadian safety:	CSA E60598-1, E598-2-17
US safety:	UL 1573

INCLUDED ITEMS

Osram HTI 1500 W/D7/60 SharXS lamp (installed):	P/N 97010322
Front module with fresnel lens (installed):	P/N 55203003
Front module with PC lens:	P/N 55203006
Front module with super wide-angle lens:	P/N 55203012
30 mm (1.2 in.) aperture ring:	P/N 23807480
40 mm (1.6 in.) aperture ring:	P/N 23807460
45 mm (1.8 in.) aperture ring:	P/N 23807470
Two Omega clamp attachment brackets with 1/4-turn fasteners:	P/N 91602001

ACCESSORIES

MAC 2000 Wash Dimmer Wheel:	P/N 62324018
Micro-Fresnel lens (very narrow beam angle):	P/N 91610092
G-clamp:	P/N 91602003
Half-coupler clamp:	P/N 91602005
T-shaped omega bracket with quarter-turn fasteners:	P/N 91602008
MAC 2000 double flightcase:	P/N 91510017

ORDERING INFORMATION

MAC 2000 Wash XB in double flightcase:	P/N 90204000
MAC 2000 Wash XB in cardboard box:	P/N 90204015
MAC 2000 Wash XB Upgrade Kit:	P/N 91310980

MAC 2000 WASH™

The MAC 2000 Wash is the industry's wash light of choice. It is exceptionally powerful with a clean, even, soft-edged beam, a motorized zoom and rich CMY color mixing supplemented with two color wheels.

Features

- 1200 W short arc discharge lamp
- Total output up to 45300 lumens
- CMY color mixing system
- 2 x 4 position color wheels plus open
- Variable CTC
- Motorized zoom
- PC, Fresnel and super-wide (all included) and micro-Fresnel
- Mechanical dimming
- Rapid strobe effects (up to 10 Hz)
- Pan and tilt range of 540°/267°
- Variable fan control for quieter operation
- Electronic ballast with hot lamp restrike and flicker free light

Specifications

Length:	408 mm (16.1 in.)
Width:	490 mm (19.3 in.)
Height:	750 mm (29.5 in.), head straight up
Weight:	43 kg (94.8 lbs.)
LAMP	
Type:	1200 W short arc discharge
Fitted as standard:	Philips MSR 1200 SA/DE Gold
Color temperature:	6000 K
CRI (Color rendering index):	>85
Average lifetime:	750 hours
Hot restrike:	Yes
Socket:	Double-ended SFc 10-4 with key
Ballast:	Electronic
Approved alternative lamp(s):	Osram HTI 1200 D7/60 SharXS
DYNAMIC EFFECTS	
Color mixing:	CMY, independently variable 0 - 100%
Color correction:	0 - 178 mireds, continuously variable
Color wheel:	2 wheels, each with 4 interchangeable filters + open position
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 10 Hz, pulse effects, instant open and blackout
Zoom:	Motorized
Hyper mode:	Narrow beam with diffuser removed
Pan/tilt	540°/267°
OPTICS	
Beam angle:	PC lens 12.5° - 37°, Fresnel lens 13° - 40°, multi-array super-wide lens 80° - 95°, 1/10 peak angles, with 50 mm (2.0 in.) aperture
CONTROL AND PROGRAMMING	
DMX channels:	19/21
Setting and addressing:	Control panel with LED display
16-bit control:	Pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link
CONSTRUCTION	
Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20
INSTALLATION	
Mounting points:	4 pairs of 1/4-turn locks, 45° orientation possible
Orientation:	Any
ELECTRICAL	
AC power:	100-120/208-240 V nominal, 50/60 Hz
Power supply unit:	Auto-ranging electronic switch-mode
APPROVALS	
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
EU safety:	EN 60598-2-17
Canadian safety:	CSA E60598-1, E598-2-17
US safety:	UL 1573
INCLUDED ITEMS	
Philips MSR 1200 SA/DE Gold lamp (installed):	P/N 97010310
Front module with fresnel lens:	P/N 55203003
Front module with super wide-angle lens:	P/N 55203012
30 mm aperture ring:	P/N 23807480
40 mm aperture ring:	P/N 23807460
45 mm aperture ring:	P/N 23807470
Two Omega brackets with 1/4-turn fasteners:	P/N 91602001
ACCESSORIES	
MAC 2000 Wash Dimmer Wheel:	P/N 62324018
Micro-Fresnel lens (very narrow beam angle):	P/N 91610092
MAC 2000 double flightcase:	P/N 91510017
Osram HTI 1200 D7/60 SharXS lamp:	P/N 97010309
ORDERING INFORMATION	
MAC 2000 Wash in 2-unit flightcase:	P/N 90203000
MAC 2000 Wash in single flightcase:	P/N 90203010
MAC 2000 Wash in cardboard box:	P/N 90203015

MAC 2000 PROFILE II™

The MAC 2000 Profile II is a high performance luminaire with two rotating gobo wheels, full CMY color mixing, effect wheel and a combined color and gobo wheel.

Features

- 1200 W short arc discharge lamp
- Total output up to 19000 lumens
- CMY color mixing system
- Combined 7 position color/gobo wheel plus open
- Variable CTC
- Motorized zoom and focus
- Mechanical dimming
- Optional beam expander
- 2 x 5 indexable rotating gobos plus open
- Variable frost, 3-facet prism
- Motorized iris
- Rapid strobe effects (up to 10 Hz)
- Pan and tilt range of 540°/267°
- Variable fan control for quieter operation
- Optional electronic ballast with hot lamp restrike and flicker free light

Specifications

PHYSICAL

Length:	408 mm (16.1 in.)
Width:	490 mm (19.3 in.)
Height:	743 mm (29.3 in.), (head straight up)
Weight:	38 kg (83.8 lbs.), electronic ballast model
Weight:	45 kg (99.2 lbs.) magnetic ballast model

LAMP

Type:	1200 W short arc discharge
Fitted as standard:	Philips MSR 1200 SA/DE Gold
Color temperature:	6000 K
CRI (Color rendering index):	>85
Average lifetime:	750 hours
Hot restrike:	Yes on electronic ballast models
Socket:	Double-ended SFc 10-4 with key
Ballast:	Electronic (on E models) or magnetic
Approved alternative lamp(s):	Osram HTI 1200 D7/60 SharXS

DYNAMIC EFFECTS

Color mixing:	CMY, independently variable 0 - 100%
Color temperature control:	0 - 178 mireds, continuously variable
Color/gobo wheel:	4 interchangeable filters (incl. UV transmitter), 3 interchangeable glass gobos + open, full and split colors, continuous rotation
Rotating gobos:	2 wheels, each with 5 interchangeable gobos + open, indexing, continuous gobo rotation, shake
Beam effects:	Effect wheel with variable frost, rotating beam shaper and rotating 3-facet prism
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
Iris:	15 - 100% diameter, pulse effects
Focus:	2 m (6.6 ft.) to infinity
Zoom:	Motorized
Pan/tilt:	540°/267°

OPTICS

Beam angle:	12° - 29°, cut-off angles, standard lens, electronic ballast

CONTROL AND PROGRAMMING

DMX channels:	20/24
Setting and addressing:	Control panel with LED display
16-bit control:	Rotating gobos, pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20

GOBOS

Outside diameter:	37.5 mm (1.5 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter:	30 mm (1.2 in.)
Maximum thickness:	7 mm (0.3 in.) (glass), 0.5 mm (0.02 in.) aluminum
Recommended glass:	High-temperature Borofloat or better with dichroic or enhanced aluminum coating

INSTALLATION

Orientation:	Any
Mounting points:	4 pairs of 1/4-turn locks, 45° orientation possible

ELECTRICAL

AC power:	100-120/208-240 V nominal, 50/60 Hz (electronic ballast)
AC power:	200-240 V nominal, 50/60 Hz (magnetic ballast)
Power supply unit:	Auto-ranging electronic switch-mode (electronic ballast models)

APPROVALS

EU EMC:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60598-1, EN 60598-2-17
Canadian safety:	CSA C22.2 No. 166
US safety:	ANSI/UL 1573

INCLUDED ITEMS

Philips MSR 1200 SA/DE Gold lamp (installed):	P/N 97010310
Two Omega brackets with 1/4-turn fasteners:	P/N 91602001

ACCESSORIES

Wide angle lens kit (14° - 35°, mounts on effect wheel):	P/N 91610020
Osram HTI 1200 D7/60 SharXS lamp:	P/N 97010304

ORDERING INFORMATION

MAC 2000 Profile II in cardboard box:	P/N 90205615
MAC 2000 Profile II in single flightcase:	P/N 90205610
Two MAC 2000 Profile IIs in 2-unit flightcase:	P/N 90205600
MAC 2000 Profile II E in cardboard box:	P/N 90205815
MAC 2000 Profile II E in single flightcase:	P/N 90205810
Two MAC 2000 Profile II Es in 2-unit flightcase:	P/N 90205800

MAC 2000 PERFORMANCE II™

The MAC 2000 Performance II features a mechanized framing system and gobo animation module as well as a gobo and effect wheel, CMY system and much more.

Features

- 1200 W short arc discharge lamp
- Total output up to 23000 lumens
- CMY color mixing system
- Variable CTC
- Motorized zoom and focus
- Motorized beam expander
- Mechanical dimming
- Gobo animation wheel with full movement / direction control
- 5 indexable rotating gobos plus open
- Variable frost, 9-facet prism
- Motorized iris
- Automated framing system
- Rapid strobe effects (up to 10 Hz)
- Pan and tilt range of 540°/267°
- Variable fan control for quieter operation
- Electronic ballast with hot lamp restrike and flicker free light

Specifications

PHYSICAL

Length:	408 mm (16.1 in.)
Width:	490 mm (19.3 in.)
Height:	743 mm (29.3 in.), head straight up
Weight:	39.5 kg (87.1 lbs.)

LAMP

Type:	1200 W short arc discharge
Fitted as standard:	Philips MSR 1200 SA/DE Gold
Color temperature:	6000 K
CRI (Color rendering index):	>85
Average lifetime:	750 hours
Hot restrike:	Yes
Socket:	Double-ended SFc 10-4 with key
Ballast:	Electronic
Approved alternative lamp(s):	Osram HTI 1200 D7/60 SharXS

DYNAMIC EFFECTS

Color mixing:	CMY, independently variable 0 - 100%
Color temperature control:	0 - 178 mireds, continuously variable
Gobo animation:	Interchangeable animation wheel, indexing, continuous rotation with variable angle, speed and direction
Rotating gobo wheel:	5 interchangeable gobos + open, indexing, cont. gobo rotation, shake
Four-blade framing system:	Blade tilting +/- 31°, frame rotation +/- 45°
Effect wheel:	Wide angle converter lens, non-rotating 9-facet prism, variable frost
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 10 Hz, pulse effects, instant open and blackout
Iris:	15 - 100% diameter, pulse effects
Focus:	2 m (6.6 ft.) to infinity
Zoom:	Motorized
Pan/tilt:	540°/267°

OPTICS

Beam angle:	12° - 31° (18° - 41° with beam expander on effect wheel selected), cut-off angles

CONTROL AND PROGRAMMING

DMX channels:	28/31
Setting and addressing:	Control panel with display
16-bit control:	Rotating gobos, pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20

GOBOS

Outside diameter:	37.5 mm (1.5 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter:	30 mm (1.2 in.)
Maximum thickness:	Glass max. 7 mm (0.3 in.) metal max. 1.1 mm (0.04 in.)

INSTALLATION

Mounting points:	4 pairs of 1/4-turn locks, 45° orientation possible
Orientation:	Any

ELECTRICAL

AC power:	100-120/208-240 V nominal, 50/60 Hz
Power supply unit:	Auto-ranging electronic switch-mode

APPROVALS

EU EMC:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60598-1, EN 60598-2-17
Canadian safety:	CSA C22.2 No. 166
US safety:	ANSI/UL 1573

INCLUDED ITEMS

Philips MSR 1200 SA/DE Gold lamp (installed):	P/N 97010310
Realistic stars gobo (E size):	P/N 43036008
Cloud gobo (E size):	P/N 43036007
Radial breakup gobo animation wheel (installed):	P/N 62400211
Cloud breakup animation wheel:	P/N 62400213
Dot breakup animation wheel:	P/N 62400214
Tangential breakup animation wheel:	P/N 62400215
Spiral breakup animation wheel:	P/N 62400216
Two Omega brackets with 1/4-turn fasteners:	P/N 91602001

ACCESSORIES

Linear breakup gobo animation wheel:	P/N 62400223
Triangle break gobo animation wheel:	P/N 62400225
Elliptical breakup gobo animation wheel:	P/N 62400221
Flicker wheel gobo animation wheel:	P/N 62400222
Coarse radial breakup gobo animation wheel:	P/N 62400224
Coarse tangential breakup gobo animation wheel:	P/N 62400226

ORDERING INFORMATION

MAC 2000 Performance II in single flightcase:	P/N 90205460
Two MAC 2000 Performance IIs in 2-unit flightcase:	P/N 90205450
MAC 2000 Performance II in cardboard box:	P/N 90205465

MAC TW1™

The MAC TW1 is a powerful, silent tungsten wash light with a clean, even, soft-edged beam, a motorized zoom, rich CMY color mixing and can be run from the built-in dimmer or from an external dimmer.

Features

- 1200 W tungsten halogen lamp
- Total output up to 14200 lumens
- CMY color mixing system
- Motorized zoom
- Fresnel (included), narrow, and super-wide
- Internal & external electronic dimming plus mechanical dimming
- Rapid strobe effects (up to 10 Hz)
- Pan and tilt range of 540°/242°
- Patented very low-noise cooling
- Various front accessories for theatre, television and film applications
- IGBT or 80 V dimmer options for universal operating voltage
- Accepts 240 V, 230 V, 115 V or 80 V lamps

Specifications

PHYSICAL

Length:	454 mm (17.9 in.)
Width:	362 mm (14.3 in.)
Height:	709 mm (27.9 in.), head straight up
Weight:	26.8 kg (59.1 lbs.), IGBT dimmer model
Weight:	27.4 kg (60.4 lbs.), 80 V dimmer model

LAMP

Type:	1200 W tungsten halogen
Approved lamps:	Philips 1200/115, 1200/230 or 1200/240 FastFit, Philips Hi-Brite 1200/80 FastFit
Socket:	PGJX-50

Lamp voltage must match internal or external dimmer output voltage

DYNAMIC EFFECTS

Color mixing:	CMY, independently variable 0 - 100%
Electronic dimming:	Multi-voltage IGBT and 80 V internal dimmer options, 'plug and play' external dimming
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 10 Hz, random strobe
Zoom:	Motorized
Pan/tilt:	540°/242°

OPTICS

Beam angle:	Narrow 14.5° - 27°, Standard 20° - 41°, Very wide 97° - 105°, 1/10 peak angles, 80 V lamp

CONTROL AND PROGRAMMING

DMX channels:	14/20
Setting and addressing:	Control panel with display
16-bit control:	CMY, mechanical dimmer, electronic dimmer, zoom, pan & tilt
Movement control options:	Tracking and vector
Dimming curve options:	Various available
Protocol:	USITT DMX512-A
Firmware update:	Serial upload via DMX link

DIMMING SYSTEM OPTIONS

Internal multi-voltage IGBT dimmer:	0 - 100%, 8- or 16-bit dimming resolution, controlled via DMX
Internal 80 V dimmer:	0 - 100%, 8- or 16-bit dimming resolution, controlled via DMX
External dimmer input:	Intelligent lamp power control

CONSTRUCTION

Color(s):	Black
Housing:	Magnesium alloy, UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20

INSTALLATION

Orientation:	Any
Mounting points:	2 pairs of 1/4-turn locks

ELECTRICAL

AC power:	100-120/200-240 V nominal, 50/60 Hz
Power supply unit:	Auto-ranging electronic switch-mode

ACOUSTIC

Sound power level:	31 dBA (steady state, lamp on, effects static, Ta=20°C (68° F), test conditions ISO 3743-2:1994)

APPROVALS

EU safety:	EN 60598-2-17
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
US safety:	ANSI/UL 1573
Canadian safety:	CSA E60598-1, E598-2-17

INCLUDED ITEMS

Two Omega brackets with 1/4-turn fasteners:	P/N 91602001

ACCESSORIES

Very wide angle lens kit:	P/N 91610032
Narrow angle lens kit:	P/N 91610033
Front accessory holder:	P/N 91611260
Internal 80 V dimmer:	P/N 91614026
Internal multi-voltage IGBT dimmer kit:	P/N 91614027
Flightcase (holds 2 fixtures):	P/N 91510019
Philips Hi-Brite 1200/80 FastFit 80 V lamp:	P/N 97000006
Philips 1200/115 FastFit 115 V lamp:	P/N 97000112
Philips 1200/230 FastFit 230 V lamp:	P/N 97000113
Philips 1200/240 FastFit 240 V lamp:	P/N 97000114
Gel frame, top hat, top hat with louver	*See www.citytheatrical.com*

ORDERING INFORMATION

MAC TW1, Multi-voltage, IGBT dimmer in cardboard box:	P/N 90202000
MAC TW1, Multi-voltage, IGBT dimmer in 2-unit flightcase:	P/N 90202001
MAC TW1, Multi-voltage, 80 V dimmer in cardboard box:	P/N 90202400
MAC TW1, Multi-voltage, 80 V dimmer, 2-unit flightcase:	P/N 90202401

MAC 700 WASH™

The MAC 700 Wash is an exceptionally powerful wash light with a clean, even, soft-edged beam, a motorized zoom, indexable beamshaper and rich CMY color mixing.

Features

- 700 W short arc discharge lamp
- Total output up to 18700 lumens
- CMY color mixing system
- 8 position color wheel plus open
- Variable CTC
- Motorized zoom
- Mechanical dimming
- Indexing & rotating beam shaper
- Rapid strobe effects (up to 10 Hz)
- Pan and tilt range of 540°/246°
- Variable fan control for quieter operation
- Electronic ballast with hot lamp restrike and flicker free light

Specifications

PHYSICAL	
Length:	450 mm (17.7 in.)
Width:	365 mm (14.4 in.)
Height:	656 mm (25.8 in.), head straight up
Weight:	32 kg (70.5 lbs.)

LAMP	
Type:	700 W short arc discharge
Fitted as standard:	Osram HTI 700/D4/75
Color temperature:	7500 K
CRI (Color rendering index):	>85
Average lifetime:	750 hours
Hot restrike:	Yes
Socket:	Double-ended SFc 10-4 with key
Ballast:	Electronic

DYNAMIC EFFECTS	
Color mixing:	CMY, independently variable 0 - 100%
Color wheel:	8 interchangeable filters (5 colors, UV, half minus green, CTC) + open
Color temperature control:	0 - 100%
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect 2 - 10 Hz, random strobe, pulse effects
Beamshaper:	0° - 360° indexable, continuous rotation
Zoom:	Motorized
Pan/tilt:	540°/246°

OPTICS	
Beam angle:	Narrow 14.5° - 27°, Standard 20° - 41°, Very wide 97° - 105°, 1/10 peak angles, 80 V lamp

CONTROL AND PROGRAMMING	
DMX channels:	16/23
Setting and addressing:	Control panel with LED display
16-bit control:	CMY, CTC, color wheel, mechanical dimmer, zoom, pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION	
Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20

INSTALLATION	
Mounting points:	2 pairs of 1/4-turn locks
Orientation:	Any

ELECTRICAL	
AC power:	100-120/208-240 V nominal, 50/60 Hz
Power supply unit:	Auto-ranging electronic switch-mode

APPROVALS	
EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55 015, EN 55 103, EN 61 000-3
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS	
Osram HTI 700/D4/75 lamp (installed):	P/N 97010212
Two Omega brackets with 1/4-turn fasteners:	P/N 91602001

ACCESSORIES	
Frost filter:	P/N 91611263
Double flightcase, MAC 550 Profile, MAC 700 Wash, MAC 700 Profile:	P/N 91510020
Philips MSR Gold 700 SA/2 DE lamp:	P/N 97010312

ORDERING INFORMATION	
MAC 700 Wash in cardboard box:	P/N 90207400
MAC 700 Wash in single flightcase:	P/N 90207401

MAC 700 PROFILE™

The MAC 700 Profile is a compact, powerful fixture with an output and optical precision beyond its peers. It combines a full CMY color mixing system with an 8 position color wheel and a gobo animation system for dramatic projection effects. It also features an iris, fixed gobos, rotating gobos and zoom system.

Features

- 700 W short arc discharge lamp
- Total output up to 14700 lumens
- CMY color mixing system
- 8 position color wheel plus open
- Motorized zoom and focus
- Mechanical dimming
- Gobo animation wheel with full movement / direction control
- 6 indexable rotating gobos plus open
- 9 static gobos plus open
- Interchangeable 3-facet rotating prism
- Motorized iris
- Rapid strobe effects (up to 10 Hz)
- Pan and tilt range of 540°/246°
- Variable fan control for quieter operation
- Electronic ballast with hot lamp restrike and flicker free light

Specifications

PHYSICAL

Length:	450 mm (17.7 in.)
Width:	365 mm (14.4 in.)
Height:	636 mm (25.0 in.), head straight up
Weight:	34.5 kg (76.1 lbs.)

LAMP

Type:	700 W short arc discharge
Fitted as standard:	Osram HTI 700/D4/75
Color temperature:	7500 K
CRI (Color rendering index):	>85
Average lifetime:	750 hours
Hot restrike:	Yes
Socket:	Double-ended SFc 10-4 with key
Ballast:	Electronic

DYNAMIC EFFECTS

Color mixing:	CMY, independently variable 0 - 100%
Color wheel:	8 interchangeable dichroic filters (6 colors and 2 CTC) + open, indexing, continuous rotation, random color
Rotating gobo wheel:	6 interchangeable gobos + open, indexing, cont. gobo rotation & scrolling, shake
Static gobo wheel:	9 interchangeable gobos + open, indexing, cont. rotation, random gobo
Gobo animation:	Interchangeable animation wheel, indexing, cont. rotation with variable angle, speed and direction
Prism:	Interchangeable 3-facet rotating prism
Iris:	0 - 100%, pulse effects
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
Focus:	2 m (6.6 ft.) to infinity
Zoom:	Motorized
Pan/tilt:	540°/246°

OPTICS

Beam angle:	16° - 30°, cut-off angles, with diffuser installed

CONTROL AND PROGRAMMING

DMX channels:	23/31
Setting and addressing:	Control panel with LED display
16-bit control:	CMY, color wheel, rotating gobos, gobo animation, mechanical dimmer, focus, zoom, pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20

GOBOS

Outside diameter:	27.9 mm (1.1 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter:	23 mm (0.9 in.)
Maximum thickness:	1.1 mm (0.04 in.) in static slots, 4 mm (0.2 in.) in rotating slots

INSTALLATION

Mounting points:	2 pairs of 1/4-turn locks
Orientation:	Any

ELECTRICAL

AC power:	100-120/208-240 V nominal, 50/60 Hz
Power supply unit:	Auto-ranging electronic switch-mode

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Osram HTI 700/D4/75 lamp (installed):	P/N 97010212
Radial breakup gobo animation wheel (installed):	P/N 62325048
5 extra metal gobos and extra spring	
Two Omega brackets with 1/4-turn fasteners:	P/N 91602001

ACCESSORIES

Spiral breakup gobo animation wheel:	P/N 62325049
Linear breakup gobo animation wheel:	P/N 62325050
Coarse tangential gobo animation wheel:	P/N 62325051
Cloud breakup gobo animation wheel:	P/N 62325094
Elliptical breakup gobo animation wheel:	P/N 62325095
Double flightcase, MAC 550 Profile, MAC 700 Wash, MAC 700 Profile:	P/N 91510020
Philips MSR Gold 700 SA/2 DE lamp:	P/N 97010312

ORDERING INFORMATION

MAC 700 Profile in cardboard box:	P/N 90207000
MAC 700 Profile in single flightcase:	P/N 90207001

MAC 600™

The industry standard MAC 600 is a powerful wash light with a CMY color mixing system, 440° of pan and 306° of tilt and a fast and smooth movement.

Features

- 575 W discharge lamp
- Total output up to 25300 lumens
- CMY color mixing system
- 4 position color wheel plus open
- 18°, 25° (standard) and 65° lens options
- Mechanical dimming
- Frost and indexable beam-shaper
- Rapid strobe effects (up to 8 Hz)
- Pan and tilt range of 440°/306°
- Quiet operation

Specifications

PHYSICAL	
Length:	356 mm (14.0 in.)
Width:	481 mm (18.9 in.)
Height:	652 mm (25.7 in.), head straight up
Weight:	31.5 kg (69.4 lbs.)

LAMP	
Type:	575 W discharge
Fitted as standard:	Philips MSR 575/2
Color temperature:	7200 K
CRI (Color rendering index):	80
Average lifetime:	1000 hours
Hot restrike:	No
Socket:	GX 9.5
Approved alternative lamp(s):	Philips MSD 575, Osram HSR 575/2

DYNAMIC EFFECTS	
Color mixing:	CMY, independently variable 0 - 100%
Color wheel:	4 filters (incl. CTC) + open, full and split positions, continuous rotation
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 8 Hz, random strobe
Beamshaper 1:	0° - 90°
Beamshaper 2:	0° - 180°
Diffuser:	Variable frost filter
Pan/tilt:	440°/306°

OPTICS	
Beam angle:	Narrow lens 18°, standard lens 25° (65° with floodlight diffuser), super-wide lens 103°, 1/10 peak angles

CONTROL AND PROGRAMMING	
DMX channels:	10/12/14
Setting and addressing:	Control panel with LED display
16-bit control:	Pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION	
Color(s):	Black
Housing:	Steel and aluminum with molded plastic covers
Finish:	Electrostatic powder-coated
Reflector:	Glass, cold light
Protection rating:	IP 20

INSTALLATION	
Mounting points:	4 pairs of 1/4-turn locks, 45° orientation possible
Orientation:	Any

ELECTRICAL	
AC power:	200/230/245 V, 50 Hz; 208/227 V, 60 Hz (MAC 600)
Power supply unit:	User-reconfigurable voltage and frequency settings

APPROVALS	
EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 50 081-1, EN 50 082-1
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS	
Philips MSR 575/2 lamp (installed):	P/N 97010201
Snoot kit:	P/N 17100010
Two Omega brackets with 1/4-turn fasteners:	P/N 91602001

ACCESSORIES	
18° "long front" with Fresnel lens:	P/N 91610005
65° floodlight diffuser on standard front:	P/N 91610008
90 mm x 90 mm color/diffuser filter holder kit:	P/N 91611001
103° super wide front lens kit:	P/N 91610073
Flightcase for 2 x MAC 500/600:	P/N 91510002
Outdoor Protection Dome:	P/N 90525010

ORDERING INFORMATION	
MAC 600, black, 230 V, 50 Hz in single flightcase:	P/N 90210001
MAC 600, black, 230 V, 50 Hz in cardboard box:	P/N 90210000

MAC 600 E NT™

The MAC 600 E NT is a powerful wash light with a CMY color mixing system, continuous CTC, variable frost for a zoom effect and fast, smooth movement.

Features

- 575 W discharge lamp
- Total output up to 25300 lumens
- CMY color mixing system
- 4 position color wheel plus open
- Variable CTC
- 18°, 25° (standard), 65° and 80° lens options
- Mechanical dimming
- Frost and indexable beam-shaper
- Rapid strobe effects (up to 8 Hz)
- Pan and tilt range of 440°/306°
- Quiet operation
- Electronic ballast and flicker free light

Specifications

PHYSICAL	
Length:	356 mm (14.0 in.)
Width:	481 mm (18.9 in.)
Height:	652 mm (25.7 in.), head straight up
Weight:	25.4 kg (56.0 lbs.)

LAMP	
Type:	575 W discharge
Fitted as standard:	Philips MSR 575/2
Color temperature:	7200 K
CRI (Color rendering index):	80
Average lifetime:	1000 hours
Hot restrike:	No
Socket:	GX 9.5
Ballast:	Electronic on models currently available
Approved alternative lamp(s):	Philips MSD 575, Osram HSR 575/2

DYNAMIC EFFECTS	
Color mixing:	CMY, independently variable 0 - 100%
Color temperature control:	0 - 100%
Color wheel:	4 interchangeable filters (incl. UV transmitter), full and split colors, continuous rotation
Dimmer:	0 - 100%
Shutter:	Strobe effect up to 8 Hz, instant open and blackout
Beamshaper:	0° - 180°
Diffuser:	Variable frost filter
Pan/tilt:	440°/306°

OPTICS	
Beam angle:	Narrow lens 18°, standard lens 25° (65° with floodlight diffuser), super-wide lens 103°, 1/10 peak angles

CONTROL AND PROGRAMMING	
DMX channels:	11/13/15
Setting and addressing:	Control panel with LED display
16-bit control:	Pan & tilt
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION	
Color(s):	Black
Housing:	Steel and aluminum with molded plastic covers
Finish:	Electrostatic powder-coated
Reflector:	Glass, cold light
Protection rating:	IP 20

INSTALLATION	
Mounting points:	4 pairs of 1/4-turn locks, 45° orientation possible
Orientation:	Any

ELECTRICAL	
AC power:	100/110/120/200/210/220/230/240 V, 50/60 Hz
Power supply unit:	Auto-ranging electronic switch-mode

APPROVALS	
EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 50 081-1, EN 50 082-1
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS	
Philips MSR 575/2 lamp (installed):	P/N 97010201
Two Omega brackets with 1/4-turn fasteners:	P/N 91602001

ACCESSORIES	
18° "long front" with Fresnel lens:	P/N 91610005
65° floodlight diffuser on standard front:	P/N 91610008
103° super wide front lens kit:	P/N 91610073
Flightcase for 2 x MAC 500/600:	P/N 91510002
Outdoor Protection Dome:	P/N 90525010

ORDERING INFORMATION	
MAC 600E NT in cardboard box:	P/N 90210600
MAC 600E NT in single flightcase:	P/N 90210601

MAC 575 KRYPTON™

The MAC 575 Krypton combines super efficient optics for brighter output with outstanding gobos and colors, together with MAC's market-proven, modular construction. It is suited for stages, venues or any space that demands reliable, low-maintenance and no-nonsense performance.

Features

- 575 W discharge lamp
- Total output up to 11100 lumens
- 2 x 8 position color wheels plus open
- Motorized zoom and focus
- Mechanical dimming
- 9 static and 6 indexable rotating gobos plus open
- Interchangeable 4-facet rotating prism
- Motorized iris
- Strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
- Pan and tilt range of 540°/246°
- Variable fan control for quieter operation

Specifications

PHYSICAL	
Length:	450 mm (17.7 in.)
Width:	365 mm (14.4 in.)
Height:	636 mm (25.0 in.), head straight up
Weight:	37.8 kg (83.3 lbs.)
LAMP	
Type:	575 W short-arc discharge
Fitted as standard:	GE CSR 575/S/DE/70
Color temperature:	7000 K
CRI (Color rendering index):	>65
Average lifetime:	750 hours
Hot restrike:	No
Socket:	Double-ended SFc 10-4 with key
Ballast:	Magnetic
DYNAMIC EFFECTS	
Color wheel	1: 8 interchangeable dichroic filters + open, full and split colors, continuous rotation, random color
Color wheel	2: 8 interchangeable dichroic filters + open, full and split colors, continuous rotation, random color
Rotating gobo wheel:	6 interchangeable gobos + open, indexing, continuous gobo rotation & scrolling, shake
Static gobo wheel:	9 interchangeable gobos + open, indexing, continuous rotation, random gobo
Prism:	Interchangeable 4-facet rotating prism
Iris:	0 - 100%, pulse effects
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
Focus:	2 m (6.6 ft.) to infinity
Zoom:	Motorized
Pan/tilt:	540°/246°
OPTICS	
Beam angle:	16° - 31° (cutoff angles)
CONTROL AND PROGRAMMING	
DMX channels:	19/25
Setting and addressing:	Control panel with LED display
16-bit control:	Dimmer, color wheels 1 & 2, rotating gobo indexing, iris, focus, zoom, pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link
CONSTRUCTION	
Color(s):	Black or white
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP20
GOBOS	
Outside diameter:	27.9 mm (1.1 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter:	23 mm (0.9 in.)
Maximum thickness:	1.1 mm (0.04 in.) in static slots, 4 mm (0.2 in.) in rotating slots
Recommended glass:	High-temperature Borofloat or better with dichroic or enhanced aluminum coating
Recommended metal:	0.5 mm (0.02 in.) aluminum
INSTALLATION	
Orientation:	Any
Mounting points:	2 pairs of 1/4-turn locks
Minimum distance to illuminated surfaces:	1.2 m (3.9 ft.)
Minimum distance to combustible materials:	0.5 m (1.6 ft.)
ELECTRICAL	
AC power:	200-240 V nominal, 50/60 Hz
User-reconfigurable voltage and frequency settings	
APPROVALS	
EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166
INCLUDED ITEMS	
Two Omega brackets with 1/4-turn fasteners:	P/N 91602001
ACCESSORIES	
Omega bracket:	P/N 91602001
T-shaped omega bracket with quarter-turn fasteners:	P/N 91602008
Quick trigger clamp:	P/N 91602007
Safety wire, universal, 50 kg (110.2 lbs.) safe work load:	P/N 91604003
Double flightcase, MAC 550, MAC 575, MAC 700:	P/N 91510020
ORDERING INFORMATION	
MAC 575 Krypton, black, in cardboard box:	P/N 90216000
MAC 575 Krypton, white, in cardboard box:	P/N 90216030

MAC 250 KRYPTON™

The MAC 250 Krypton is a high performance profile with a separate gobo and color wheel, an achromatic lens system and a rotating prism.

Features

- 250 W long life discharge lamp
- Total output up to 5000 lumens
- 12 position color wheel plus open
- Motorized focus
- Mechanical dimming
- 7 indexable rotating gobos plus open
- Interchangeable rotating prism
- Rapid strobe effects (up to 14 Hz)
- Pan and tilt range of 540°/257°
- Quiet operation

Specifications

PHYSICAL

Length:	375 mm (14.8 in.)
Width:	315 mm (12.4 in.)
Height:	538 mm (21.2 in.), head straight up
Weight:	22.4 kg (49.4 lbs.)

LAMP

Type:	250 W discharge
Fitted as standard:	Philips MSD 250/2
Color temperature:	8000 K
CRI (Color rendering index):	>85
Average lifetime:	3000 hours
Hot restrike:	No
Socket:	GY 9.5
Ballast:	Magnetic
Approved alternative lamp(s):	Philips MSD 250/2, GE CSD 250/2

DYNAMIC EFFECTS

Color wheel:	12 colors (incl. CTC) + open, full and split positions, continuous rotation
Rotating gobo wheel:	7 interchangeable gobos + open, indexing, continuous gobo rotation, shake, continuous scrolling
Prism:	Interchangeable 3-facet rotating prism
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 14 Hz, pulse effects, instant open and blackout
Focus:	2 m (6.6 ft.) to infinity
Pan/tilt:	540°/257°

OPTICS

Beam angle:	Narrow lens 14.5°, standard lens 18°, cut-off angles

CONTROL AND PROGRAMMING

DMX channels:	14/17
Setting and addressing:	Control panel with LED display
16-bit control:	Color wheel, rotating gobos, dimmer, focus, pan and tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Receiver:	Opto-isolated RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20

GOBOS

Outside diameter:	22.5 mm (0.9 in.) + 0/- 0.3 mm (0.01 in.)
Maximum image diameter:	17 mm (0.7 in.)
Maximum thickness:	1.8 mm (0.1 in.)
Recommended glass:	High-temperature Borofloat or better with dichroic or enhanced aluminum coating
Recommended metal:	Aluminum (steel for temporary use only)

INSTALLATION

Mounting points:	2 pairs of 1/4-turn locks
Orientation:	Any

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz
Power supply unit:	User-reconfigurable voltage and frequency settings

APPROVALS

EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
EU safety:	EN 60598-2-17
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips MSD 250/2 lamp (installed):	P/N 97010100
3 m power cable, 3-pin IEC:	P/N 11501013
Two T-shaped Omega brackets with 1/4 turn fasteners:	P/N 91612008

ACCESSORIES

Flightcase (holds 2 fixtures):	P/N 91510014
Osram HSD 250/80 lamp:	P/N 97010116

ORDERING INFORMATION

MAC 250 Krypton in cardboard box:	P/N 90225640
MAC 250 Krypton in single flightcase:	P/N 90225610
MAC 250 Krypton in double flightcase:	P/N 90225610

MAC 250 ENTOUR™

The MAC 250 Entour is a brilliant, feature rich profile with two gobo wheels, a color wheel, dimmer, shutter, prism and focus. Superior optics and an extremely user friendly construction make it ideal for the rigors of today's rental market.

Features

- 250 W long life discharge lamp
- Total output up to 5000 lumens
- 12 position color wheel plus open
- Motorized focus
- Additional lens included
- Mechanical dimming
- 7 indexable rotating gobos plus open
- 10 static gobos plus open
- Interchangeable rotating prism
- Rapid strobe effects (up to 14 Hz)
- Pan and tilt range of 540°/257°
- Variable fan control for quieter operation
- Tilt lock

Specifications

PHYSICAL

Length:	375 mm (14.8 in.)
Width:	315 mm (12.4 in.)
Height:	538 mm (21.2 in.), head straight up
Weight:	22.4 kg (49.4 lbs.)

LAMP

Type:	250 W discharge
Fitted as standard:	Philips MSD 250/2
Color temperature:	8500 K
CRI (Color rendering index):	65
Average lifetime:	3000 hours
Hot restrike:	No
Socket:	GY 9.5
Ballast:	Magnetic
Approved alternative lamp(s):	Osram HSD 250/80, GE CSD 250/2

DYNAMIC EFFECTS

Color wheel:	12 colors (incl. CTC) + open, full and split positions, continuous rotation
Gobo wheel:	10 interchangeable gobos + open, indexing, shake and continuous rotation
Rotating gobos:	7 interchangeable gobos + open, indexing, continuous gobo rotation, shake, continuous scrolling
Prism:	Interchangeable 3-facet rotating prism
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 14 Hz, pulse effects, instant open and blackout
Focus:	2 m (6.6 ft.) to infinity
Pan/tilt:	540°/257°

OPTICS

Beam angle:	Narrow lens 14.5°, standard lens 18°, cut-off angles

CONTROL AND PROGRAMMING

DMX channels:	15/18
Setting and addressing:	Control panel with LED display
16-bit control:	Color wheel, rotating gobos, dimmer, focus, pan and tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20

GOBOS

Outside diameter:	22.5 mm (0.9 in.) + 0/- 0.3 mm (0.01 in.)
Maximum image diameter:	17 mm (0.7 in.)
Maximum thickness:	1.8 mm (0.1 in.)
Recommended glass:	High-temperature Borofloat or better with dichroic or enhanced aluminum coating
Recommended metal:	Aluminum (steel for temporary use only)

INSTALLATION

Mounting points:	2 pairs of 1/4-turn locks
Orientation:	Any

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz
Power supply unit:	User-reconfigurable voltage and frequency settings

APPROVALS

EU safety:	EN 60598-2-17
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips MSD 250/2 lamp (installed):	P/N 97010100
Narrow lens with adapter:	P/N 41200029
3 m power cable, 3-pin IEC:	P/N 11501013
Two T-shaped Omega brackets with 1/4 turn fasteners:	P/N 91612008

ACCESSORIES

Flightcase (holds 2 fixtures):	P/N 91510014
Osram HSD 250/80 lamp:	P/N 97010116

ORDERING INFORMATION

MAC 250 Entour in single flightcase:	P/N 90225741
MAC 250 Entour in cardboard box:	P/N 90225740

MAC 250 WASH™

The MAC 250 Wash is a powerful yet compact and remarkably efficient wash light with extraordinarily fast and quiet movement, a variable frost filter for zoom effect and a CMY color mixing system with a complimenting color wheel.

Features

- 250 W long life discharge lamp
- Total output up to 7700 lumens
- CMY color mixing system
- 6 position color wheel plus open
- Fresnel and super-wide lens options
- Mechanical dimming
- Variable frost filter
- Rapid strobe effects (up to 14 Hz)
- Pan and tilt range of 540°/257°
- Variable fan control for very quiet operation
- Tilt lock

Specifications

PHYSICAL

Length:	375 mm (14.8 in.)
Width:	315 mm (12.4 in.)
Height:	538 mm (21.2 in.), head straight up
Weight:	22.9 kg (50.5 lbs.)

LAMP

Type:	250 W discharge
Fitted as standard:	Philips MSD 250/2
Color temperature:	8500 K
CRI (Color rendering index):	65
Average lifetime:	3000 hours
Hot restrike:	No
Socket:	GY 9.5
Ballast:	Magnetic
Approved alternative lamp(s):	Osram HSD 250/80, GE CSD 250/2

DYNAMIC EFFECTS

Color mixing:	CMY, independently variable 0 - 100%
Color wheel:	6 interchangeable filters (incl. UV transmitter and CTC) + open, indexing, continuous rotation
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 14 Hz, pulse effects, instant open and blackout
Diffuser:	Variable frost filter
Pan/tilt:	540°/257°

OPTICS

Beam angle:	Standard lens 19° (35° with frost effect), wide lens 53° (66° with frost effect), 1/10 peak angles

CONTROL AND PROGRAMMING

DMX channels:	13/19
Setting and addressing:	Control panel with LED display
16-bit control:	CMY, color wheel, dimmer, frost, pan and tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP 20

INSTALLATION

Mounting points:	2 pairs of 1/4-turn locks
Orientation:	Any

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz
Power supply unit:	User-reconfigurable voltage and frequency settings

APPROVALS

EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
EU safety:	EN 60598-1, EN 60598-2-17
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips MSD 250/2 lamp (installed):	P/N 97010100
Wide-angle diffuser lens:	P/N 41600053
3 m power cable, 3-pin IEC:	P/N 11501013
Two T-shaped Omega brackets with 1/4 turn fasteners:	P/N 91612008

ACCESSORIES

Osram HSD 250/80 lamp:	P/N 97010116
Double flightcase for MAC 250 Krypton/Entour/Wash:	P/N 91510014

ORDERING INFORMATION

MAC 250 Wash in cardboard box:	P/N 90225840
MAC 250 Wash in single flightcase:	P/N 90225841

smartMAC™

The smartMAC is a 150 W moving head profile that outperforms many of its 250 W rivals and offers unprecedented reliability, longer service intervals, total silence and smaller power bills.

Features

- 150 W discharge lamp
- Total output up to 4700 lumens
- 8 interchangeable color filters plus open
- Motorized focus
- 6 indexable rotating gobos plus open
- Fadeable strobe effect up to 9 Hz
- Pan and tilt range of 540°/257°
- No fan - silent operation
- Mounting points are 2 pairs of 1/4 turn locks

Specifications

PHYSICAL

Length:	387 mm (15.2 in.)
Width:	352 mm (13.9 in.)
Height:	448 mm (17.6 in.), head straight up
Weight:	21 kg (46.3 lbs.)

LAMP

Type:	150 W discharge
Fitted as standard:	Philips MSD 150/2
Color temperature:	8500 K
CRI (Color rendering index):	70
Average lifetime:	3000 hours (9000 hours with CDM SA/T lamp)
Hot restrike:	No
Socket:	G12
Ballast:	Magnetic
Approved alternative lamp(s):	Philips CDM-SA/T 150

DYNAMIC EFFECTS

Color wheel:	8 interchangeable dichroic filters + open, full and split colors, music trig, continuous rotation, random color
Rotating gobo wheel:	6 interchangeable gobos + open, indexing, continuous gobo rotation & scrolling, shake
Shutter:	Fadeable, strobe effect up to 9 Hz, pulse effects, instant open and blackout
Focus:	2 m (6.6 ft.) to infinity
Pan/tilt:	540°/257°

OPTICS

Beam angle:	Standard lens with diffuser 25° (24° without diffuser), cut-off angles

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	12/15
Setting and addressing:	Control panel with LED display
Macro programs:	10 pan/tilt and 10 effects macros, all with staggered start/chase feature
Macro selection:	DMX or onboard control panel
Movement control options:	Tracking and vector
16-bit control:	Rotating gobo indexing, pan & tilt
Protocol:	USITT DMX512/1990
Stand-alone and master/slave programming:	Control panel with LED display
Stand-alone memory:	100 scenes
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black or white
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP20

GOBOS

Outside diameter:	27.9 mm (1.1 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter:	23 mm (0.9 in.)
Maximum thickness:	1.8 mm (0.1 in.)
Recommended glass:	High-temperature Borofloat or better with dichroic or enhanced aluminum coating
Recommended metal:	Aluminum (steel for temporary use only)

INSTALLATION

Orientation:	Any
Mounting points:	Quick release mounting bracket or 2 pairs of 1/4-turn locks

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz
Power supply unit:	User-reconfigurable voltage and frequency settings

ACOUSTIC

Sound power level:	27.5 dBA, steady state, lamp on, effects static, Ta=20°C (68° F), test conditions ISO 3743-2:1994

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3
US safety:	ANSI/UL 1573
Canadian safety:	CAN/CSA E 60598-2-17

INCLUDED ITEMS

Philips MSD 150/2 lamp (installed):	P/N 97010117
Diffusion filter (installed):	P/N 41600062
Quick release mounting bracket, smartMAC:	P/N 62406107
3 m (9.8 ft.) power cable, 3-pin angled IEC:	P/N 11501029

ACCESSORIES

Philips CDM-SA/T 150 W lamp:	P/N 97010111
Wash lens kit, black:	P/N 91610034
Wash lens kit, white:	P/N 91610035

ORDERING INFORMATION

smartMAC, black, in cardboard box:	P/N 90231040
smartMAC, white, in cardboard box:	P/N 90231041

SCANNERS

MANIA SCX500™

MANIA SCX600™

MANIA SCX700™

MANIA SCX800™

T-REX™

MX-10 EXTREME™

	MX-10 EXTREME™	T-REX™	MANIA SCX800™	MANIA SCX700™	MANIA SCX600™	MANIA SCX500™
LAMP						
Lamp Life	Long lamp life (3000 hrs)	1000 hour lamp included	Long lamp life (6000 hrs)	Long lamp life (6000 hrs)	1000 hour lamp included	500 hour lamp included
Type & Wattage	250 W discharge lamp	250 W halogen lamp	150 W discharge lamp	150 W discharge lamp	250 W halogen lamp	150 W halogen lamp
COLOR						
Color/Gobo Wheel	–	Combined color and gobo wheel	–	–	–	–
Color Wheel	12 interchangeable colors plus open	–	–	9 interchangeable colors plus open	9 interchangeable colors plus open	15 solid colors plus 5 multi colors
OPTICS						
Focus	Motorized focus	–	Manual focus	Manual focus	Manual focus	Manual focus
EFFECTS						
Gobos	8 interchangeable indexable rotating gobos plus open	19 gobos plus open	8 interchangeable gobos with gobo indexing, rotation, shake, music trig	7 interchangeable indexable rotating gobos plus open (3 glass 4 metal)	7 interchangeable indexable rotating gobos plus open (2 glass 5 metal)	15 gobos plus blackout
Prism	Interchangeable 3-facet rotating prism	–	–	–	–	–
Scanner	High-speed mirror reflector	Faceted rotating parabolic	Motorized mirror drum with pan and tilt	High-speed mirror	High-speed mirror	High-speed mirror
Strobe Effect	Separate shutter for strobe effect	–	Separate shutter for strobe effect	Separate shutter for strobe effect	Separate shutter for strobe effect	Strobe effect with gobo wheel
ENVIRONMENTAL						
Approval	All major safety approvals CE, ETL and CETL	Safety approvals CE	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL
CONTROL						
Control Options	DMX control	Music triggered	DMX, stand alone (music or auto-trig) and master/slave function	DMX, stand alone (music or auto-trig) and master/slave function	DMX, stand alone (music or auto-trig) and master/slave function	DMX, stand alone (music or auto-trig) and master/slave function
Duty Cycle	Continuous operation - no cool down time needed	Continuous operation - no cool down time needed	Continuous operation - no cool down time needed	Continuous operation - no cool down time needed	Continuous operation - no cool down time needed	Continuous operation - no cool down time needed
Macros	8 prism/gobo pre-programmed macros for fast start-up	–	12 effect plus 12 pan/tilt pre-programmed macros for fast start-up	12 effect plus 12 pan/tilt pre-programmed macros for fast start-up	12 effect plus 12 pan/tilt pre-programmed macros for fast start-up	12 pre-programmed macros for fast start-up
PHOTOMETRICS						
Total Output	4100 lumens	–	–	2800 lumens	1600 lumens	500 lumens
PHYSICAL						
Weight	22 kg	7.5 kg	(EU) 13.5 kg including bracket (US) 14.7 kg including bracket	13 kg including bracket	12.3 kg including bracket	6.7 kg including bracket

MANIA SCX500™

The Mania SCX500 is a powerful yet compact 150 W halogen scanner with separate color and gobo wheels for a broad range of effects.

Features

- 150 W halogen lamp
- 500 hour lamp included
- 15 solid colors plus 5 multi colors
- Manual focus
- 15 gobos plus blackout
- Strobe effect with gobo wheel
- High-speed mirror
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX, stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed
- 12 pre-programmed macros for fast start-up

Specifications

PHYSICAL	
Length:	442 mm (17.4 in.)
Width:	200 mm (7.9 in.)
Height:	178 mm (7.0 in.)
Height:	364 mm (14.3 in.) including bracket
Weight:	6.7 kg (14.8 lbs.) including bracket
LAMP	
Type:	150 W, 15 V MR16 halogen
Fitted as standard:	Philips EFR/5H JCR H5
Socket:	GZ 6.35
DYNAMIC EFFECTS	
Color wheel:	14 single colors + 5 multi-colors + open, full and split color selection
Gobo wheel:	16 gobos
Dimmer:	0 - 100%
Motorized mirror:	180° pan and 72° tilt
OPTICS	
Beam angle:	15°
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	8/6
DMX address setting:	Onboard control panel with 3-digit display
Macro programs selectable via DMX:	12
Stand-alone trigger options:	Auto trig (selectable via control panel or via DMX), music trig
Stand-alone programming:	Onboard control panel with 3-digit display
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link
CONSTRUCTION	
Housing:	Steel and aluminum
INSTALLATION	
Mounting points:	Adjustable bracket, mounting plate
Orientation:	Any
ELECTRICAL	
AC power (US models):	110-120 V nominal, 60 Hz
AC power (EU models):	220-240 V nominal, 50 Hz
APPROVALS	
EU safety (EU model):	EN 60598-2-17
EU EMC (EU model):	EN 55015, EN 61000, EN 61547
US safety (US model):	UL 1573
Canadian safety (US model):	CSA C22.2 No. 166
INCLUDED ITEMS	
Philips EFR/5H JCR 15 V, 150 W H5 halogen lamp:	P/N 97000110
Adjustable U-bracket:	P/N 55430301
Mounting plate:	P/N 21060490
5 m data cable, 3-pin XLR:	P/N 11820008
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013
ACCESSORIES	
DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m RS-485 XLR cable for data link:	P/N 11820008
ORDERING INFORMATION	
Mania SCX500, US model, 110-120 V, 60 Hz:	P/N 90430081
Mania SCX500, EU model, 220-240 V, 50 Hz:	P/N 90430080

MANIA SCX600™

The Mania SCX600 is a powerful 250 W halogen scanner with the highest quality optical system for maximum light output and true high-definition image quality.

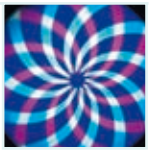
Features

- 250 W halogen lamp
- 1000 hour lamp included
- 9 interchangeable colors plus open
- Manual focus
- 7 interchangeable rotating gobos plus open (2 glass 5 metal)
- Separate shutter for strobe effect
- High-speed mirror
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX, stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed
- 12 effect plus 12 pan/tilt pre-programmed macros for fast start-up

Specifications

PHYSICAL	
Length:	525 mm (20.7 in.)
Width:	240 mm (9.4 in.)
Height:	203 mm (8.0 in.)
Height:	408 mm (16.1 in.) including bracket
Weight:	12.3 kg (27.1 lbs.) including bracket
LAMP	
Type:	250 W, 24 V ELC halogen
Approved lamps:	Philips ELC 10H 250 W (1000 hrs.)
Socket:	G5.3
DYNAMIC EFFECTS	
Color wheel:	9 interchangeable colors + open, full and split color selection
Rotating gobo wheel:	7 interchangeable rotating gobos (5 metal, 2 coated glass), gobo selection, continuous rotation and shake
Electronic dimming:	0 - 100%
Shutter:	Strobe effect, music trig, instant open and blackout
Motorized mirror:	198° pan and 72° tilt
OPTICS	
Beam angle:	18.3°
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	7/11
DMX address setting:	Onboard control panel with 4-digit display
Stand-alone trigger options:	Music trig (selectable via control panel or via DMX), auto trig
Stand-alone programming:	Onboard control panel with 4-digit display
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link
CONSTRUCTION	
Housing:	Steel and aluminum
INSTALLATION	
Mounting points:	Adjustable bracket
Orientation:	Any
ELECTRICAL	
AC power:	Switch-selectable 110-120 V, 60 Hz / 220-240 V, 50 Hz
APPROVALS	
EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
INCLUDED ITEMS	
Philips ELC 10H 250 W 1000 hour lamp:	P/N 97000111
Adjustable U-bracket:	P/N 55430322
5 mm Allen key:	P/N 50520615
5 m data cable, 3-pin XLR:	P/N 11820008
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 m², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013
ACCESSORIES	
DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m RS-485 XLR cable for data link:	P/N 11820008
ORDERING INFORMATION	
Mania SCX600, US model, 110-120 V, 60 Hz:	P/N 90430083
Mania SCX600, EU model, 220-240 V, 50 Hz:	P/N 90430082

MANIA SCX700™



The SCX700 is a powerful 150 W discharge lamp scanner boasting the highest quality optical system for maximum light output and truly high-definition image quality.

Features

- 150 W discharge lamp
- Long lamp life (6000 hrs)
- 9 interchangeable colors plus open
- Manual focus
- 7 interchangeable indexable rotating gobos plus open (3 glass 4 metal)
- Separate shutter for strobe effect
- High-speed mirror
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX, stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed
- 12 effect plus 12 pan/tilt pre-programmed macros for fast start-up

Specifications

PHYSICAL

Length:	525 mm (20.7 in.)
Width:	240 mm (9.4 in.)
Height:	203 mm (8.0 in.)
Height:	408 mm (16.1 in.) including bracket
Weight:	13 kg (28.7 lbs.) including bracket

LAMP

Type:	150 W discharge
Approved lamps:	Philips MasterColor CDM-SA/T 150, Osram HSD 150/70
Socket:	G12

DYNAMIC EFFECTS

Color wheel:	9 interchangeable colors + open, full and split color selection
Rotating gobo wheel:	7 interchangeable rotating gobos (4 metal, 3 coated glass), gobo selection, continuous rotation and shake
Mechanical dimmer/shutter:	0 - 100% continuous dimming, strobe effects, music triggered shutter, instant open & blackout
Motorized mirror:	198° pan and 72° tilt

OPTICS

Beam angle:	18.3°
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	6/10
DMX address setting:	Onboard control panel with 4-digit display
Stand-alone trigger options:	Music trig (selectable via control panel or via DMX), auto trig
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable bracket
Orientation:	Any

ELECTRICAL

AC power:	110-120 V, 60 Hz (US model) / switch-selectable 220-240 V, 50 Hz (EU model)

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips CDM-SA/T 150 W lamp:	P/N 97010111
Adjustable U-bracket:	P/N 55430322
5 mm Allen key:	P/N 50520615
5 m data cable, 3-pin XLR:	P/N 11820008
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

ACCESSORIES

DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m RS-485 XLR cable for data link:	P/N 11820008

ORDERING INFORMATION

Mania SCX 700 US model, 110-120 V, 60 Hz:	P/N 90430085
Mania SCX 700 EU model, 220-240 V, 50 Hz:	P/N 90430084

MANIA SCX800™

The Mania SCX800 Rollerscan is one of a kind. With its 150 W discharge lamp, superb optical system known from SCX700 and an output you've never seen before in a product in this class, the SCX800 will outperform any rollerscan on the market with its amazing four fat-beams projection.

Features

- 150 W discharge lamp
- Long lamp life (6000 hrs)
- Manual focus
- 8 interchangeable gobos with gobo indexing, rotation, shake, music trig
- Motorized mirror drum with pan (swivel) and tilt (continuous rotation)
- Separate shutter for strobe effect
- Rigorously tested for total reliability
- All major safety approvals CE, ETL and CETL
- 12 effect plus 12 pan/tilt pre-programmed macros for fast start-up
- DMX,stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed

Specifications

PHYSICAL

Length:	550 mm (21.7 in.))
Width:	240 mm (9.4 in.))
Height:	203 mm (8.0 in.)
Height:	432 mm (17.0 in.) including bracket
Weight:	EU model 13.5 kg (29.8 lbs.) (29.8 lbs.), US model 14.7 kg (32.4 lbs.) (32.4 lbs.), both including bracket

LAMP

Type:	150 W discharge
Approved lamps:	Philips MasterColor CDM-SA/T 150, Osram HSD 150/70
Socket:	G12

DYNAMIC EFFECTS

Rotating gobo wheel:	8 interchangeable gobos with gobo indexing, rotation, shake, music trig
Motorized mirror drum:	172° pan (swivel) and 360° tilt (continuous rotation)
Mechanical dimmer/shutter:	0 - 100% continuous dimming, strobe effects, music triggered shutter, instant open & blackout

OPTICS

Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	5/9
DMX address setting:	Onboard control panel with 4-digit display
Stand-alone trigger options:	Music trig (selectable via control panel or via DMX), auto trig
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable bracket
Orientation:	Any

ELECTRICAL

AC power:	110-120 V, 60 Hz (US model) / switch-selectable 220-240 V, 50 Hz (EU model)

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips CDM-SA/T 150 W lamp:	P/N 97010111
Adjustable U-bracket:	P/N 55430322
5 mm (0.2 in.) Allen key:	P/N 50520615
5 m (16.4 ft.) data cable, 3-pin XLR:	P/N 11820008
2 m (6.6 ft.) US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m (9.8 ft.) EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m (9.8 ft.) EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

ACCESSORIES

G-clamp:	P/N 91602003
Half-coupler clamp:	P/N 91602005
DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m (16.4 ft.) RS-485 XLR cable for data link:	P/N 11820008

ORDERING INFORMATION

Mania SCX800 US model, 110-120 V, 60 Hz:	P/N 90430089
Mania SCX800 EU model, 220-240 V, 50 Hz:	P/N 90430088

T-REX™

The T-Rex is a 250 W scanner featuring a quad angled mirror for aggressive mid-air effects and a combined color/gobo wheel offering multiple colors and a full array of 19 gobo patterns.

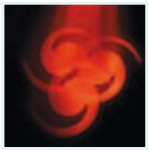
Features

- 250 W halogen lamp
- 1000 hour lamp included
- Combined color and gobo wheel
- 19 gobos plus open
- Faceted rotating parabolic reflector
- Safety approvals CE
- Rigorously tested for total reliability
- Music triggered
- Continuous operation - no cool down time needed

Specifications

PHYSICAL	
Length:	490 mm (19.3 in.)
Width:	164 mm (6.5 in.)
Height:	190 mm (7.5 in.)
Weight:	7.5 kg (16.5 lbs.)
LAMP	
Type:	250 W, 24 V ELC halogen
Fitted as standard:	Philips ELC 10H 250 W (1000 hrs.)
Socket:	GX 5.3
Approved alternative lamp(s):	Osram ELC 24 V/250 W (50 hrs.), Osram ELC-7/X 24 V/250 W (700 hrs.)
DYNAMIC EFFECTS	
Color/gobo wheel:	19 pattern gobos (11 single color, 4 multi-color, 4 non-color) + open
Motorized mirror:	Quadruple angle, continuous rotation
Motorized rotating parabolic mirror dish:	Multi-facet, continuous rotation
OPTICS	
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)
CONTROL AND PROGRAMMING	
Control:	Music trig, automatic level sensitivity adjustment
CONSTRUCTION	
Housing:	Steel and aluminum
INSTALLATION	
Mounting points:	Adjustable floorstand/mounting bracket
Orientation:	Any
ELECTRICAL	
AC power:	110-120 V, 50/60 Hz (US model)
AC power:	230-240 V, 50/60 Hz (EU model)
APPROVALS	
EU safety:	EN 60598-2-17
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
INCLUDED ITEMS	
Philips ELC/10H 250 W 1000 hour lamp:	P/N 97000111
Adjustable floorstand/mounting bracket:	P/N 21020660
1.5 m power cable, 3-pin IEC:	P/N 11501501
ACCESSORIES	
Philips ELC/5H, 24 V / 250 W, 500 hour halogen lamp:	P/N 97000107
Osram ELC, 24 V / 250 W, 50 hour halogen lamp:	P/N 97000104
Osram ELC-7/X, 24 V / 250 W, 700 hour halogen lamp:	P/N 97000108
ORDERING INFORMATION	
T-Rex, US model:	P/N 90422510
T-Rex, EU model:	P/N 90422410

MX-10 EXTREME™



The MX-10 is a powerful 250 W discharge scanner with 12 replaceable colors, 8 interchangeable indexed-rotating gobos and a 3-facet prism for brilliant effects.

Features

- 250 W discharge lamp
- Long lamp life (3000 hrs)
- 12 interchangeable colors plus open
- Motorized focus
- 8 interchangeable indexable rotating gobos plus open
- Interchangeable 3-facet rotating prism
- Separate shutter for strobe effect
- High-speed mirror
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX control
- Continuous operation - no cool down time needed
- 8 prism/gobo pre-programmed macros for fast start-up

Specifications

PHYSICAL	
Length:	735 mm (28.9 in.)
Width:	340 mm (13.4 in.)
Height:	315 mm (12.4 in.)
Weight:	22 kg (48.5 lbs.)

LAMP	
Type:	250 W discharge
Fitted as standard:	Philips MSD 250/2
Color temperature:	8500 K
Average lifetime:	3000 hours
Socket:	GY 9.5
Approved alternative lamp(s):	Osram HSD 250, Philips MSD 200

DYNAMIC EFFECTS	
Color wheel:	12 colors (incl. UV transmitter) + open, full and split positions, random color, continuous rotation
Rotating gobo wheel:	8 interchangeable gobos + open, indexing, continuous rotation and shake
Prism:	Interchangeable 3-facet rotating prism
Shutter:	0 - 100% continuous dimming, variable & random strobe & pulse effects, instant open & blackout
Focus:	Motorized, 2 m (6.6 ft.) to 20 m (65.6 ft.)
Pan:	230°
Tilt:	75°

CONTROL AND PROGRAMMING	
Control options:	DMX
DMX channels:	13
Setting and addressing:	Control panel with LED display
Macro programs selectable via DMX:	8
Protocol:	USITT DMX512/1990
Receiver:	Opto-isolated RS-485
Firmware update:	Serial upload via DMX link

PHOTOMETRIC DATA	
Beam angle:	18°

CONSTRUCTION	
Housing:	Polyester-reinforced composite
Color(s):	Black
Protection rating:	IP 20

GOBOS	
Outside diameter:	22.5 mm (0.9 in.) + 0/- 0.3 mm (0.01 in.)
Maximum image diameter:	17 mm (0.7 in.)
Maximum thickness:	1.8 mm (0.1 in.)
Glass type:	High-temperature Borofloat or better
Glass coating:	Dichroic or enhanced aluminum
Metal:	Aluminum (steel for temporary use only)

INSTALLATION	
Orientation:	Any
Mounting points:	Floor or adjustable mounting bracket

ELECTRICAL	
AC power:	Switch-selectable 100-120/208-240 V nominal, 50/60 Hz

APPROVALS	
EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 50 081-1, EN 50 082-1
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS	
Philips MSD 250/2 lamp (installed):	P/N 97010100
3 m power cable, 3-pin IEC:	P/N 11501013

ACCESSORIES	
5-facet rotating prism in holder:	P/N 91611062
9-facet rotating prism in holder:	P/N 91611063

ORDERING INFORMATION	
MX-10 Extreme:	P/N 90145400

EFFECTS
& COLOR CHANGERS

MANIA EFX500™

MANIA EFX600™

MANIA EFX700™

MANIA EFX800™

WIZARD EXTREME™

MANIA EF2™

MANIA EF3™

MANIA EF4™

MANIA DC1™

MANIA DC2™

MANIA DC3™

RAPTOR™

MANIA PR1™

STAGE CYCLO™

	MANIA DC1™	MANIA DC2™	MANIA DC3™	MANIA EF2™	MANIA EF3™	MANIA EF4™
LAMP						
Lamp Life	800 hour lamp included	800 hour lamp included	1000 hour lamp included	800 hour lamp included	800 hour lamp included	800 hour lamp included
Type & Wattage	100 W halogen lamp	100 W halogen lamp	250 W halogen lamp	100 W halogen lamp	100 W halogen lamp	100 W halogen lamp
COLOR						
Color Wheel / Slot	3 selectable colors plus open and split color option	–	3 different colored oil wheels available	–	–	–
GOBO						
Gobo Wheel / Slot	–	Gobo slot for special framing or color filter	Gobo slot for special framing or gobo effects	8 gobos (4 x colored & textured glass, 4 x dichroic color filters)	8 gobos (2 x textured glass)	8 metal gobos with colors
OPTICS						
Focus	Manual focus	Manual focus	Manual focus	Manual focus	Manual focus	Manual focus
Spread Angle	53° spread angle	53° spread angle	25° or 32° spread angle (optional 43°)	–	–	–
EFFECTS						
Effect Wheel	Rotating pattern glass for aquatic decoration effects	Rotating pattern glass for flame decoration effects	Rotating oil wheel decoration effect	–	–	–
ENVIRONMENTAL						
Approval	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL
CONTROL						
Control Options	Variable focus, variable effect rotation speed and rotating direction control and color changing on/off	Variable focus, variable effect rotation speed, rotating direction control	Variable focus, variable effect rotation speed, rotating direction control with or without remote control	Auto or music triggered	Auto or music triggered	Auto or music triggered
PHYSICAL						
Weight	6.3 kg	6.3 kg	9 kg	6.5 kg	6.5 kg	6.5 kg

	MANIA EFX500™	MANIA EFX600™	MANIA EFX700™
LAMP			
Lamp Life	1000 hour lamp included	Long lamp life (6000 hrs)	Long lamp life (6000 hrs)
Type & Wattage	250 W halogen lamp	150 W discharge lamp	150 W discharge lamp
COLOR			
Color Wheel / Slot	–	–	–
GOBO			
Gobo Wheel / Slot	11 colored gobos plus blackout	12 colored gobos	12 colored gobos
OPTICS			
Focus	Manual focus	Manual focus	Manual focus
EFFECTS			
Strobe Effect	Strobe effect with gobo wheel	Separate shutter for strobe effect	Separate shutter for strobe effect
ENVIRONMENTAL			
Approval	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL
CONTROL			
Control Options	DMX, stand alone (music or auto-trig) and master/slave function	DMX, stand alone (music or auto-trig) and master/slave function	DMX, stand alone (music or auto-trig) and master/slave function
Macros	12 pre-programmed macros for fast start-up	12 pre-programmed macros for fast start-up	12 pre-programmed macros for fast start-up
PHYSICAL			
Weight	12.5 kg	EU model 14 kg, US model 16.5 kg	EU model 14.1 kg, US model 16.6 kg

	MANIA EFX800™	MANIA PR1™	RAPTOR™	WIZARD EXTREME™
Long lamp life (6000 hrs)	1000 hour lamp included	1000 hour lamp included	Long lamp life (3000 hrs)
150 W discharge lamp	250 W halogen lamp	250 W halogen lamp	250 W discharge lamp
Rotating and indexable color paddlewheel	Color slot for interchangeable color filter	–	7 interchangeable colors plus 2 open positions and twinkle effect
12 gobos	Rotating interchangeable gobo (steel or glass)	9 gobos	13 gobos plus open (3 with dichroic reflectors)
Manual focus	Manual focus with 25° or 32° spread angle (optional 43°)	–	Manual focus
Separate shutter for strobe effect	–	–	Separate shutter for strobe effect
All major safety approvals CE, ETL and CETL	All major safety approvals CE, ETL and CETL	Safety approvals CE	All major safety approvals CE, ETL and CETL
DMX, stand alone (music or auto-trig) and master/slave function	Variable focus, variable effect rotation speed, rotating direction control with or without remote ctrl.	Music triggered	DMX, stand alone (music or auto-trig) and master/slave function
12 pre-programmed macros for fast start-up	–	–	12 pre-programmed macros for faststart-up
EU model 14.7 kg, US model 17.2 kg	9 kg	6.7 kg	14.5 kg

MANIA EFX500™

The Mania EFX500 is a powerful, “full house” 250 W halogen effect that kicks out a dizzying array of razor sharp effects and patterns.

Features

- 250 W halogen lamp
- 1000 hour lamp included
- Manual focus
- 11 colored gobos plus blackout
- Strobe effect with gobo wheel
- Rotating and swiveling mirror drum
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX, stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed
- 12 pre-programmed macros for fast start-up

Specifications

PHYSICAL

Length:	410 mm (16.1 in.)
Width:	500 mm (19.7 in.)
Height:	230 mm (9.1 in.)
Weight:	12.5 kg (27.6 lbs.)

All dimensions and weights include the supplied mounting plate.

LAMP

Type:	250 W, 24 V ELC halogen
Approved lamps:	Philips ELC 10H 250 W (1000 hrs.)
Socket:	G5.3

DYNAMIC EFFECTS

	Motorized rotating parabolic mirror dish
Gobo wheel:	11 colored gobos plus blackout
Motorized mirror drum:	180° pan (swivel) and 360° tilt (continuous rotation)
Electronic dimming:	0 - 100%
Shutter:	Strobe effect variable up to 8 Hz

OPTICS

Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	7/9
DMX address setting:	Onboard control panel with 3-digit display
Macro programs selectable via DMX:	12
Stand-alone trigger options:	Music trig, auto trig (both selectable via control panel or via DMX)
Music trig sensitivity:	Electronically adjustable
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power:	Switch-selectable 110-120 V, 60 Hz / 220-240 V, 50 Hz

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips ELC 10H 250 W 1000 hour lamp:	P/N 97000111
Adjustable mounting bracket:	P/N 23812650
5 m data cable, 3-pin XLR:	P/N 11820008
2 m power cable, 18 AWG, with US power plug (UL approved):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug:	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug:	P/N 11501013

ACCESSORIES

DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m RS-485 XLR cable for data link:	P/N 11820008

ORDERING INFORMATION

Mania EFX500, 115/230 V, 50/60 Hz:	P/N 90430050

MANIA EFX600™

The Mania EFX600 is a bright, feature-rich 150 W discharge effect light with a dizzying array of razor sharp effects and patterns.

Features

- 150 W discharge lamp
- Long lamp life (6,000 hrs)
- Manual focus
- 12 colored gobos
- Separate shutter for strobe effect
- Rotating and swiveling mirror drum
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX, stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed
- 12 pre-programmed macros for fast start-up

Specifications

PHYSICAL

Length:	410 mm (16.1 in.)
Width:	500 mm (19.7 in.)
Height:	230 mm (9.1 in.)
Weight:	EU model 14 kg (30.9 lbs.)
	US model 16.5 kg (36.4 lbs.)

All dimensions and weights include the supplied mounting plate.

LAMP

Type:	150 W discharge
Approved lamps:	Philips CDM SA-T 150, Osram HSD 150/70
Socket:	G12

DYNAMIC EFFECTS

	Motorized rotating parabolic mirror dish
Gobo wheel:	12 colored gobos
Motorized mirror drum:	180° pan (swivel) and 360° tilt (continuous rotation)
Mechanical dimmer/shutter:	0 - 100% dimming, strobe effects

OPTICS

Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	6/8
DMX address setting:	Onboard control panel with 3-digit display
Macro programs selectable via DMX:	12
Stand-alone trigger options:	Music trig (selectable via control panel or via DMX), auto trig
Music trig sensitivity:	Electronically adjustable
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power (US models):	110-120 V nominal, 60 Hz
AC power (EU models):	220-240 V nominal, 50 Hz

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips CDM-SA/T 150 W lamp (installed):	P/N 97010111
Adjustable mounting bracket:	P/N 23812650
5 m data cable, 3-pin XLR:	P/N 11820008
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

ACCESSORIES

DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m RS-485 XLR cable for data link:	P/N 11820008

ORDERING INFORMATION

Mania EFX600 US model, 110-120 V, 60 Hz:	P/N 90430053
Mania EFX600 EU model, 220-240 V, 50 Hz:	P/N 90430052

MANIA EFX700™

The Mania EFX700 is a dazzling 150 W discharge flower effect light with an incredibly wide spread and an array of vibrant colors to keep the dance floor jumping.

Features

- 150 W discharge lamp
- Long lamp life (6000 hrs)
- Manual focus
- 12 colored gobos
- Separate shutter for strobe effect
- Rotating parabolic mirror dish
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX, stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed
- 12 pre-programmed macros for fast start-up

Specifications

PHYSICAL

Length:	400 mm (15.7 in.)
Width:	500 mm (19.7 in.)
Height:	230 mm (9.1 in.)
Weight:	EU model 14.1 kg (31.1 lbs.)
	US model 16.6 kg (36.6 lbs.)

All dimensions and weights include the supplied mounting plate.

LAMP

Type:	150 W discharge
Approved lamps:	Philips CDM SA-T 150, Osram HSD 150/70
Socket:	G12

DYNAMIC EFFECTS

	Motorized rotating parabolic mirror dish
Gobo wheel:	12 colored gobos
Mechanical dimmer/shutter:	0 - 100% dimming, strobe effects

OPTICS

Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	4/6
DMX address setting:	Onboard control panel with 3-digit display
Macro programs selectable via DMX:	12
Stand-alone trigger options:	Music trig (selectable via control panel or via DMX), auto trig
Music trig sensitivity:	Electronically adjustable
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power (US models):	110-120 V nominal, 60 Hz
AC power (EU models):	220-240 V nominal, 50 Hz

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips CDM-SA/T 150 W lamp (installed):	P/N 97010111
Adjustable mounting bracket	
5 m data cable, 3-pin XLR:	P/N 11820008
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

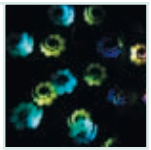
ACCESSORIES

DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m RS-485 XLR cable for data link:	P/N 11820008

ORDERING INFORMATION

Mania EFX700 US model, 110-120 V, 60 Hz:	P/N 90430055
Mania EFX700 EU model, 220-240 V, 50 Hz:	P/N 90430054

MANIA EFX800™



The Mania EFX800 is a 150 W discharge light with a broad sweeping flower effect and a rotating glass color paddle which gives your night an ever changing look and feel.

Features

- 150 W discharge lamp
- Long lamp life (6000 hrs)
- Rotating and indexable color paddlewheel
- Manual focus
- 12 gobos
- Separate shutter for strobe effect
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX, stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed
- 12 pre-programmed macros for fast start-up

Specifications

PHYSICAL

Length:	400 mm (15.7 in.)
Width:	500 mm (19.7 in.)
Height:	230 mm (9.1 in.)
Weight:	EU model 14.7 kg (32.4 lbs.)
	US model 17.2 kg (37.9 lbs.)

All dimensions and weights include the supplied mounting plate.

LAMP

Type:	150 W discharge
Approved lamps:	Philips CDM SA-T 150, Osram HSD 150/70
Socket:	G12

DYNAMIC EFFECTS

	Motorized rotating parabolic mirror dish
Gobo wheel:	12 colored gobos
Motorized dichroic filter paddlewheel:	Continuous 360° rotation (tilt)
Mechanical dimmer/shutter:	0 - 100% dimming, strobe effects

OPTICS

Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	5/7
DMX address setting:	Onboard control panel with 3-digit display
Macro programs selectable via DMX:	12
Stand-alone trigger options:	Music trig (selectable via control panel or via DMX), auto trig
Music trig sensitivity:	Electronically adjustable
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power (US models):	110-120 V nominal, 60 Hz
AC power (EU models):	220-240 V nominal, 50 Hz

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Philips CDM-SA/T 150 W lamp (installed):	P/N 97010111
Adjustable mounting bracket	
5 m data cable, 3-pin XLR:	P/N 11820008
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

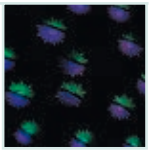
ACCESSORIES

DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m RS-485 XLR cable for data link:	P/N 11820008

ORDERING INFORMATION

Mania EFX800 US model, 110-120 V, 60 Hz:	P/N 90430057
Mania EFX800 EU model, 220-240 V, 50 Hz:	P/N 90430056

WIZARD EXTREME™



The Wizard Extreme is a 250 W discharge light with rapid movement, over 80 color and gobo beams and a shutter for rapid strobe effects.

Features

- 250 W discharge lamp
- Long lamp life (3000 hrs)
- 7 interchangeable colors plus 2 open positions and twinkle effect
- Manual focus
- 13 gobos plus open (3 with dichroic reflectors)
- Separate shutter for strobe effect
- Rotating and swiveling mirror drum
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- DMX, stand alone (music or auto-trig) and master/slave function
- Continuous operation - no cool down time needed
- 12 pre-programmed macros for fast start-up

Specifications

PHYSICAL

Length:	552 mm (21.7 in.)
Width:	516 mm (20.3 in.)
Height:	208 mm (8.2 in.)
Weight:	14.5 kg (32.0 lbs.)

LAMP

Type:	250 W discharge
Fitted as standard:	Osram HSD 250/80
Color temperature:	8000 K
Average lifetime:	3000 hours
Socket:	G5.3
Approved alternative lamp(s):	Philips MSD 250/2, Osram HSD 250/60, Philips MSD 200

DYNAMIC EFFECTS

	Motorized rotating parabolic mirror dish
Color wheel:	8 colors + open, full and split color selection, twinkle and shake effects
Color/gobo wheel:	12 gobos + open, stepped scroll to full positions or continuous rotation, shake effect
Dimmer:	0 - 100%
Shutter:	0 - 100% continuous dimming, variable & random strobe & pulse effects, instant open & blackout
Motorized mirror drum:	180° pan (swivel) and 360° tilt (continuous rotation)

OPTICS

Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	1/8/11
Macro programs selectable via DMX:	12
Stand-alone trigger options:	Music trig, auto trig (both selectable via DIP siwtch or via DMX)
DMX address setting:	DIP switch
Stand-alone programming:	DIP switch
Protocol:	USITT DMX512/1990
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Housing:	Steel and aluminum
Color(s):	Black
Protection rating:	IP 20

INSTALLATION

Mounting points:	Adjustable bracket, floor stand (accessory) multi-coupler bracket (accessory)
Orientation:	Any

ELECTRICAL

AC power:	User-reconfigurable 100-130/200-240 V nominal, 50/60 Hz (US model) 220-240 V nominal, 50 Hz (EU model)

APPROVALS

EU safety:	EN 60598-2-17
EU EMC:	EN 55103-1, EN 55103-2
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

Osram HSD 250/80 lamp:	P/N 97010116
Mounting bracket	
5 m data cable, 3-pin XLR:	P/N 11820008
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

ACCESSORIES

Wizard multi-coupler bracket:	P/N 91606008
Wizard floor stand:	P/N 91606010
DMX termination plug, 3-pin male XLR:	P/N 91613017
5-pin male XLR to 3-pin female XLR adaptor:	P/N 11820005
5 m RS-485 XLR cable for data link:	P/N 11820008

ORDERING INFORMATION

Wizard Extreme, US model:	P/N 90426500
Wizard Extreme, EU model:	P/N 90426400

MANIA EF2™

The Mania EF2 is a cool dance floor lighting effect suitable for DJs, clubs, events or even your own personal party.

Features

- 100 W halogen lamp
- 800 hour lamp included
- 8 gobos (4 x colored & textured glass, 4 x dichroic color filters)
- Manual focus
- Front surface coated mirrors on reflector dish giving 19 brilliant beams of light
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- Auto or music triggered
- Continuous operation - no cool down time needed

Specifications

PHYSICAL

Length:	312 mm (12.3 in.)
Width:	250 mm (9.8 in.)
Height:	142 mm (5.6 in.)
Weight:	6.5 kg (14.3 lbs.)

LAMP

Type:	100 W EFP halogen
Fitted as standard:	Philips EFP 8H 100W 12V (800 hrs.)
Socket:	GZ 6.35

DYNAMIC EFFECTS

Color/gobo wheel:	8 gobos (4 with textured glass, 4 with dichroic color filters)
Motorized rotating parabolic mirror dish:	19 front-surface color-coated mirrors

OPTICS

Beam angle:	40°
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Stand-alone trigger options:	Music trig, auto trig

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power:	115-120 V / 220-240 V, 50/60 Hz, switch-selectable

APPROVALS

US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

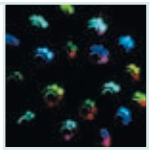
INCLUDED ITEMS

Philips 12 V EFP/8H 100 W lamp:	P/N 97000004
Adjustable mounting bracket:	P/N 21060390
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

ORDERING INFORMATION

Mania EF2, US model:	P/N 90430061
Mania EF2, EU model:	P/N 90430060

MANIA EF3™



The Mania EF3 is a cool and colorful light with awesome dance floor lighting effects suitable for DJs, bands, clubs, events or even your own personal party.

Features

- 100 W halogen lamp
- 800 hour lamp included
- 8 gobos (2 x textured glass)
- Manual focus
- Front surface color coated mirrors on reflector dish giving 18 brilliant beams of light
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- Auto or music triggered
- Continuous operation - no cool down time needed

Specifications

PHYSICAL

Length:	312 mm (12.3 in.)
Width:	250 mm (9.8 in.)
Height:	142 mm (5.6 in.)
Weight:	6.5 kg (14.3 lbs.)

LAMP

Type:	100 W EFP halogen
Fitted as standard:	Philips EFP 8H 100 W 12 V (800 hrs.)
Socket:	GZ 6.35

DYNAMIC EFFECTS

Color/gobo wheel:	Two textured and 6 patterned gobos, all colored
Motorized rotating parabolic mirror dish:	18 front-surface color-coated mirrors

OPTICS

Beam angle:	40°
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Stand-alone trigger options:	Music trig, auto trig

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power:	115-120 V / 220-240 V, 50/60 Hz, switch-selectable

APPROVALS

US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

INCLUDED ITEMS

Philips 12 V EFP/8H 100 W lamp:	P/N 97000004
Adjustable mounting bracket:	P/N 21060390
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

ORDERING INFORMATION

Mania EF3, US model:	P/N 90430063
Mania EF3, EU model:	P/N 90430062

MANIA EF4™

The Mania EF4 is a stunning effect light that offers maximum value for money, to be used anywhere people want to have fun, wherever decorative and attractive lighting is required.

Features

- 100 W halogen lamp
- 800 hour lamp included
- Eight metal gobos with colors
- Manual focus
- Front surface color coated mirrors on reflector dish giving 18 brilliant beams of light
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- Auto or Music triggered
- Continuous operation - no cool down time needed

Specifications

PHYSICAL

Length:	312 mm (12.3 in.)
Width:	250 mm (9.8 in.)
Height:	142 mm (5.6 in.)
Weight:	6.5 kg (14.3 lbs.)

LAMP

Type:	100 W EFP halogen
Fitted as standard:	Philips EFP 8H 100 W 12 V (800 hrs.)
Socket:	GZ 6.35

DYNAMIC EFFECTS

Color/gobo wheel:	8 full-colored and multi-colored gobos
Motorized rotating parabolic mirror dish:	18 front-surface mirrors

OPTICS

Beam angle:	40°
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Stand-alone trigger options:	Music trig, auto trig

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power:	115-120 V / 220-240 V, 50/60 Hz, switch-selectable

APPROVALS

US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

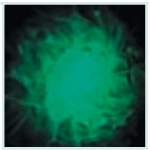
INCLUDED ITEMS

Philips 12 V EFP/8H 100 W lamp:	P/N 97000004
Adjustable mounting bracket:	P/N 21060390
2 m (6.6 ft.) US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m (9.8 ft.) EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m (9.8 ft.) EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

ORDERING INFORMATION

Mania EF4, US model:	P/N 90430065
Mania EF4, EU model:	P/N 90430064

MANIA DC1™



The Mania DC1 is a light fixture that projects brilliant decorative water effects. Ideal for shows, clubs or simply your own personal party, the Mania DC1 will wash liquid light through the crowd, the lounge, across walls and over bars.

Features

- 100 W halogen lamp
- 800 hour lamp included
- 3 selectable colors plus open and split color option
- Manual focus
- 53° spread angle
- Rotating pattern glass for aquatic decoration effects
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- Variable focus, variable effect rotation speed and rotating direction control and color changing on/off
- Continuous operation - no cool down time needed

Specifications

PHYSICAL

Length:	312 mm (12.3 in.)
Width:	250 mm (9.8 in.)
Height:	142 mm (5.6 in.)
Weight:	6.3 kg (13.9 lbs.)

LAMP

Type:	100 W EFP halogen
Fitted as standard:	Philips EFP 8H 100 W 12 V (800 hrs.)
Socket:	GZ 6.35

DYNAMIC EFFECTS

Beam effects:	Animated water effect

OPTICS

Beam angle:	53°
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	Effect rotation direction and speed, color changing on/off

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power:	115-120 V / 220-240 V, 50/60 Hz, switch-selectable

APPROVALS

US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

INCLUDED ITEMS

Philips 12 V EFP/8H 100 W lamp:	P/N 97000004
Adjustable mounting bracket:	P/N 21060390
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013

ORDERING INFORMATION

Mania DC1, US model:	P/N 90430011
Mania DC1, EU model:	P/N 90430010

MANIA DC2™

The Mania DC2 is a decoration tool which projects sensational images of flickering flames - turning up the heat at any show, club or party.

Features

- 100 W halogen lamp
- 800 hour lamp included
- Gobo slot for special framing or color filter
- Manual focus
- 53° spread angle
- Rotating pattern glass for flame decoration effects
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- Variable focus, variable effect rotation speed, rotating direction control
- Continuous operation - no cool down time needed

Specifications

PHYSICAL	
Length:	312 mm (12.3 in.)
Width:	250 mm (9.8 in.)
Height:	142 mm (5.6 in.)
Weight:	6.3 kg (13.9 lbs.)
LAMP	
Type:	100 W EFP halogen
Fitted as standard:	Philips EFP 8H 100 W 12 V (800 hrs.)
Socket:	GZ 6.35
DYNAMIC EFFECTS	
Beam effects:	Animated flame effect
OPTICS	
Beam angle:	53°
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)
CONTROL AND PROGRAMMING	
Control options:	Effect rotation direction and speed
CONSTRUCTION	
Housing:	Steel and aluminum
INSTALLATION	
Mounting points:	Adjustable mounting bracket
Orientation:	Any
ELECTRICAL	
AC power:	115-120 V / 220-240 V, 50/60 Hz, switch-selectable
APPROVALS	
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
INCLUDED ITEMS	
Philips 12 V EFP/8H 100 W lamp:	P/N 97000004
Adjustable mounting bracket:	P/N 21060390
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013
ORDERING INFORMATION	
Mania DC2, US model:	P/N 90430021
Mania DC2, EU model:	P/N 90430020

MANIA DC3™

The Mania DC3 is a decoration tool which projects sensational oil wheel images and creates psychedelic decoration effects at any show, club or party.

Features

- 250 W halogen lamp
- 1000 hour lamp included
- 3 different colored oil wheels available
- Gobo slot for special framing or gobo effects
- Manual focus
- 25° or 32° spread angle (optional 43°)
- Rotating oil wheel decoration effect
- All major safety approvals CE, ETL and CETL
- Rigorously tested for total reliability
- Variable focus, variable effect rotation speed, rotating direction control with or without remote control
- Continuous operation - no cool down time needed

Specifications

PHYSICAL

Length:	340 mm (13.4 in.)
Width:	290 mm (11.4 in.)
Height:	215 mm (8.5 in.)
Weight:	9 kg (19.8 lbs.)

LAMP

Type:	250 W, 24 V EVC/FGX halogen
Fitted as standard:	Philips 6958/10H 250 W (1000 hrs.)
Socket:	GZ 6.35

DYNAMIC EFFECTS

Beam effects:	Multi-colored rotating oil wheel, slot for static gobo or filter

OPTICS

Beam angle:	25°, configurable to 32° with supplied spacer ring or 43° with converter accessory
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	Onboard or remote control
Oil wheel control:	Variable direction and speed
Remote control unit:	4-fixture control with up to 10 m (32.8 ft.) between fixtures

CONSTRUCTION

Housing:	Steel and aluminum
Color/texture filter (diameter, thickness):	53.3 mm (2.1 in.), 1.1 - 2 mm (0.1 in.)

GOBOS

Size:	D
Maximum image diameter:	38 mm (1.5 in.)

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Standing or hanging, mounting bracket facing up

ELECTRICAL

AC power:	115-120 V / 220-240 V, 50/60 Hz, switch-selectable

APPROVALS

US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

INCLUDED ITEMS

Philips 6958 24 V 250 W 10H lamp (average life 1000 hrs):	P/N 97000115
Adjustable mounting bracket:	P/N 23811330
Standard red/blue/yellow oil wheel:	P/N 91611219
Framing gobos set, DC3:	P/N 91611218
32° beam angle lens spacer ring:	P/N 17200957
Remote control, DC3:	P/N 55430313
5 m UTP cable, RJ-45, for remote control:	P/N 11840095
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013
White glove with Martin logo:	P/N 50590002
2 mm Allen key:	P/N 50520612

ACCESSORIES

Oil wheel 1: standard red/blue/yellow:	P/N 91611219
Oil wheel 2: red/yellow:	P/N 91611220
Oil wheel 3: blue:	P/N 91611225
43° beam angle converter kit:	P/N 91610074
UTP patch cable, 5 m, RJ-45:	P/N 11840095

ORDERING INFORMATION

Mania DC3, US model:	P/N 90430071
Mania DC3, EU model:	P/N 90430070

RAPTOR™

The Raptor is a powerful mid-air performer that creates a dynamic, eye-catching show with more than 70 ever-changing light beams.

Features

- 250 W halogen lamp
- 1000 hour lamp included
- 9 gobos
- Colored dichroic glass paddlewheel
- 70 ever-changing, moving, colored light beams
- Safety approvals CE
- Rigorously tested for total reliability
- Music triggered
- Continuous operation - no cool down time needed

Specifications

PHYSICAL

Length:	240 mm (9.4 in.)
Width:	400 mm (15.7 in.)
Height:	170 mm (6.7 in.)
Weight:	6.7 kg (14.8 lbs.)

LAMP

Type:	250 W, 24 V ELC halogen
Fitted as standard:	Philips ELC 10H 250 W (1000 hrs.)
Socket:	GX 5.3

DYNAMIC EFFECTS

	Motorized rotating parabolic mirror dish
	9 gobos
	Motorized dichroic filter paddlewheel

CONTROL AND PROGRAMMING

Stand-alone trigger options:	Music trig, automatic level sensitivity adjustment

CONSTRUCTION

Housing:	Steel and aluminum

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power:	110-120 V, 50/60 Hz (US model), 230-240 V, 50/60 Hz (EU model)

APPROVALS

EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

INCLUDED ITEMS

Philips ELC/10H 250 W 1000 hour lamp:	P/N 97000111
Adjustable mounting bracket:	P/N 21020720
2 m power cable with 3-pin IEC female connector (US model):	P/N 11501501
1.5 m power cable with 3-pin IEC female connector (EU model):	P/N 11501012

ORDERING INFORMATION

Raptor, US model:	P/N 90410310
Raptor, EU model:	P/N 90410210

MANIA PR1™

The Mania PR1 is a 250 W image projector designed for high-quality projections of patterns, images, logos and messages.

Features

- 250 W halogen lamp
- 1000 hour lamp included
- Color slot for interchangeable color filter
- Rotating interchangeable gobo (steel or glass)
- Manual focus with 25° or 32° spread angle (optional 43°)
- Variable focus, variable effect rotation speed, rotating direction control with or without remote control
- Continuous operation - no cool down time needed

Specifications

PHYSICAL

Length:	340 mm (13.4 in.)
Width:	290 mm (11.4 in.)
Height:	158 mm (6.2 in.)
Weight:	9 kg (19.8 lbs.)

LAMP

Type:	250 W, 24 V EVC/FGX halogen
Fitted as standard:	Philips 6958/10H 250 W (1000 hrs.)
Socket:	G6.35

DYNAMIC EFFECTS

Rotating gobo:	One slot for metal/glass gobo or color/texture glass
Filter:	One slot for additional color filter

OPTICS

Beam angle:	25°, configurable to 32° with supplied spacer ring or 43° with converter accessory
Manual focus:	2 m (6.6 ft.) - 20 m (65.6 ft.)

CONTROL AND PROGRAMMING

Control options:	Onboard or remote control
Rotating gobo control:	Static/rotate, variable direction and speed
Remote control unit:	4-fixture control with up to 10 m (32.8 ft.) between fixtures

CONSTRUCTION

Housing:	Steel and aluminum

GOBOS

Size:	D
Maximum image diameter:	40 mm (1.6 in.)
Additional color filter length x width:	51 mm (2.0 in.) x 54 mm (2.1 in.)
Additional color filter thickness:	1.1 mm (0.04 in.) - 2 mm (0.1 in.)

INSTALLATION

Mounting points:	Adjustable mounting bracket
Orientation:	Any

ELECTRICAL

AC power:	115-120 V / 220-240 V, 50/60 Hz, switch-selectable

APPROVALS

US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

INCLUDED ITEMS

Philips 6958 24 V 250 W 10H lamp (average life 1000 hrs):	P/N 97000115
Adjustable mounting bracket:	P/N 23811330
Remote control:	P/N 55430211
5 m UTP cable, RJ-45, for remote control:	P/N 11840095
PR Series Gobo Set 1 with 10 metal theme gobos:	P/N 91611216
Red-hued texture glass (installed):	P/N 43052502
Blue-hued texture glass:	P/N 43052501
Steel gobo with Martin logo:	P/N 43056025
32° beam angle lens spacer ring:	P/N 17200957
2 m US power cable, 3 x 18 AWG, with UL approved US power plug (US model):	P/N 11501501
3 m EU power cable, 3 x 1 mm², IEC, Schuko mains plug (EU model):	P/N 11501017
3 m EU power cable, 3 x 1 mm², IEC, no mains plug (EU model):	P/N 11501013
White glove with Martin logo:	P/N 50590002
2 mm Allen key:	P/N 50520612

ACCESSORIES

43° beam angle converter kit:	P/N 91610074
UTP patch cable, 5 m, RJ-45:	P/N 11840095

ORDERING INFORMATION

Mania PR1, US model:	P/N 90430031
Mania PR1, EU model:	P/N 90430030

STAGE CYCLO™

The Stage Cyclo is an RGB, fluorescent color-changing luminaire that provides soft, even illumination for stage applications. Simple to use, powerfully bright and absolutely noiseless, the Stage Cyclo is also ideal for TV studio and theatre sets.

Features

- High output 54 W T5 fluorescent tubes in red, green, blue and white
- Long lamp life (20 000 hrs)
- RGB + W color mixing
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Silent operation
- Versatile mounting options
- Tough construction, easy to handle
- Choice of frost lenses and barndoor accessories
- 3 and 5 pin XLR and RJ45 sockets

Specifications

PHYSICAL	
Length:	1272 mm (50.1 in.)
Width:	209 mm (8.2 in.)
Height:	135 mm (5.3 in.)
Weight:	10.5 kg (23.1 lbs.)

LAMP	
Type:	T5 fluorescent tubes
Approved lamps:	Osram FQ 54 W HO
Average lifetime:	20 000 hours
Socket:	G5

DYNAMIC EFFECTS	
Color mixing:	RGBW
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%
Cool daylight white (6500 K):	0 - 100%

CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	4
DMX address setting:	DIP switch
Stand-alone and master/slave programming:	DIP switch
Protocol:	USITT DMX512/1990
Receiver:	RS-485

CONSTRUCTION	
Housing:	Steel with rubber corner protectors
Color(s):	Gunmetal
Front cover:	Scratch-resistant polycarbonate
Reflector(s):	High specular 99.9% aluminum
Protection rating:	IP 20

INSTALLATION	
Mounting points:	1/4-turn locks on top, bottom, back and sides Retractable & adjustable support rods for floor or surface mounting
Orientation:	Any
Minimum free space:	25 mm (1.0 in.)

ELECTRICAL	
AC power:	US model 100-120 V nominal, 60 Hz, EU model 208-240 V nominal, 50/60 Hz

THERMAL	
Cooling:	Convection
Maximum ambient temperature (Ta max.):	40° C (104° F)
Minimum ambient temperature (Ta min.):	-20° C (-4° F)
Total heat dissipation (calculated, +/- 10%):	740 BTU/hr.

APPROVALS	
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55015, EN 60555-3

INCLUDED ITEMS	
Osram T5 FQ 54 W/60 HO red tube:	P/N 97020006
Osram T5 FQ 54 W/66 HO green tube:	P/N 97020007
Osram T5 FQ 54 W/67 HO blue tube:	P/N 97020008
Osram T5 FQ 54 W/865 HO 6500 K daylight white tube:	P/N 97020011

ACCESSORIES	
Adjustable mounting bracket:	P/N 91611206
Barndoors Kit:	P/N 91611234
Frost filter:	P/N 91611235
Osram T5 FQ 54 W/827 HO 2700 K warm white tube:	P/N 97020009
Osram T5 FQ 54 W/840 HO 4000 K cool white tube:	P/N 97020010
DMX termination plug, 3-pin male XLR:	P/N 91613017
DMX termination plug, RJ-45:	P/N 91613028

ORDERING INFORMATION	
Stage Cyclo EU model (208-240 V):	P/N 90350000
Stage Cyclo US model (100-120 V):	P/N 90350100

STROBES

ATOMIC 3000 DMX™

ATOMIC COLORS™

DETONATOR™

ATOMIC 3000 DMX™

The Atomic 3000 DMX is a powerful and rugged, 3000 W high-impact strobe.

Features

- 3000 W long-life Xenon lamp included
- 5600 K color temperature
- Continuous blinder effect with auto fade
- Quiet temperature-controlled fan cooling
- Smart integrated heat control eliminates cool down time
- Atomic Detonator remote control, socket kit for lamp change
- Auto-ranging power supply (100-240 V, 50/60 Hz)
- DMX, stand-alone, master/slave or Detonator remote control
- Preprogrammed special effects

Specifications

PHYSICAL

Length:	425 mm (16.7 in.) without bracket
Width:	245 mm (9.6 in.) without bracket
Height:	240 mm (9.4 in.) without bracket
Weight:	7.5 kg (16.5 lbs.) without bracket

LAMP

Type:	Xenon discharge
Approved lamps:	MAX-15 Xenon (200-250 V power), MAX-7 Xenon (90-120 V power)

DYNAMIC EFFECTS

Variable strobe:	0 - 650 ms (50 Hz supply), or 0 - 530 ms (60 Hz supply)
Strobe rate:	0 - 25 flashes/second (50 Hz supply), 0 - 30 flashes/second (60 Hz supply)
Blinder effect:	Continuous with auto fade
Strobe intensity:	Blackout - maximum
Special effects:	Ramp up, ramp down, ramp up-down, random flash, lightning, spikes, blinder, single flash

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, multi-fixture chase (with Detonator remote), MC-1
DMX channels:	1, 3, and 4 channel modes
Stand-alone control:	Via N.O. or N.C. SPST switch
Stand-alone options:	Selectable flash rate or blinder effect
Setting and addressing:	DIP switch
Protocol:	DMX512
Receiver:	RS-485

CONSTRUCTION

Housing:	Steel
Finish:	Electrostatic powder-coated
Color:	Black

INSTALLATION

Minimum distance to combustible materials:	0.5 m (1.6 ft.)
Minimum distance to illuminated surfaces:	1 m (3.3 ft.)
Minimum clearance around fan and air vents:	0.1 m (0.3 ft.)
Orientation:	Any
Mounting points:	Five 12 mm (0.5 in.) holes in mounting bracket

ELECTRICAL

AC power (MAX-7 model):	100-120 V nominal, 50/60 Hz
AC power (MAX-15 model):	200-240 V nominal, 50/60 Hz
Peak current consumption:	33 A
Typical current consumption (MAX-15, high power mode):	8 A
Power supply unit:	Auto-ranging electronic switch-mode

THERMAL

Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum lamp socket temperature:	120° C (248° F)

APPROVALS

US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 50 081-1, EN 50 082-1

INCLUDED ITEMS

MAX-15 Xenon lamp (installed, EU model):	P/N 97010307
MAX-7 Xenon lamp (installed, US model):	P/N 97010308

ACCESSORIES

Atomic Detonator:	P/N 90760020
Atomic Colors for Atomic 3000:	P/N 91611086

ORDERING INFORMATION

Atomic, EU model:	P/N 90424200
Atomic, US model:	P/N 90424300

ATOMIC COLORS™

Atomic Colors is a specially designed head which fits onto the front of the Atomic 3000 DMX allowing up to ten brightly colored strobe and blinder effects.

Features

- 1 gel string included with 10 colors plus clear
- Quiet fan cooling
- Multiple modes, e.g. gel saver mode, action mode and monitor mode
- Safety wire
- MPU-02 or MPU-08 for powering either 2 or 8 Atomic Colors
- On board memory with monitor and resetting
- DMX control
- DMX address via display

Specifications

PHYSICAL

Length:	470 mm (18.5 in.)
Width:	273 mm (10.7 in.)
Height:	102 mm (4.0 in.)
Weight:	2.5 kg (5.5 lbs.)
Color gel thickness:	0.075 mm (0.003 in.) - 0.125 mm (0.005 in.)

DYNAMIC EFFECTS

Color gel scrolling:	10 colors as standard, custom color options

CONTROL AND PROGRAMMING

Control options:	DMX
DMX channels:	1 or 2
Cooling fan speed control:	Onboard control panel or DMX
Gel scrolling speed, 'gel saver' mode, light-activated fan operation:	Onboard control panel
Setting and addressing:	Three-button LED control panel
Protocol:	USITT DMX512/1990

CONSTRUCTION

Housing:	Steel
Finish:	Electrostatic powder-coated
Color(s):	Black
Gel frame capacity:	2-11 gel frames. For best results, use gel strings supplied by your dealer.

INSTALLATION

Mounting device:	Dedicated mounting for the Atomic 3000 DMX
Orientation:	Any

ELECTRICAL

DC voltage:	24 V DC (+/- 10%)
DC current:	0.55 A (Max.)
Compatible power supplies:	MPU-02, MPU-08

THERMAL

Cooling:	Forced air, 4-speed fans
Maximum ambient temperature (Ta max.):	40° C (104° F)

INCLUDED ITEMS

10-color standard gel string (installed):	P/N 91611090
5 m power/data cable, 4-pin XLR:	P/N 11821014

ACCESSORIES

MPU-02 Power supply:	P/N 91611084
MPU-08 Power supply:	P/N 91611085

ORDERING INFORMATION

Atomic Colors for Atomic 3000:	P/N 91611086

DETONATOR™

The Detonator is an optional, dedicated remote control tool for easy command of the Atomic strobe's flash rate and intensity. It includes "blinder effect" and "single flash" detonator buttons as well as a chase/synchronization toggle switch. Easy to set up and operate, the Atomic Detonator requires no external power source.

Features

- Dedicated remote control for Atomic strobe series
- Fader-controlled flash rate and intensity
- Single button for Detonator blinder effect
- Separate button for single flash and flash sync
- Chase effect operation with multiple units
- Easy set-up and operation
- No external power necessary

Specifications

PHYSICAL	
Length:	142 mm (5.6 in.)
Width:	113 mm (4.4 in.)
Height:	75 mm (3.0 in.)
Weight:	0.7 kg (1.5 lbs.)

PLAYBACK	
	Run/stop toggle
Strobe rate:	0 - 25 Hz (50 Hz mains), 0 - 30 Hz (60 Hz mains)
Intensity:	0 - 100%
	Chase/sync toggle for use with multiple fixtures
	Single flash
	Flash synchronization
Blinder effect:	Triggering with variable intensity
CONSTRUCTION	
Housing:	Steel
Color(s):	Black
APPROVALS	
EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2
INCLUDED ITEMS	
5 m data cable, 3-pin XLR:	P/N 11820008
ORDERING INFORMATION	
Detonator, Atomic Remote Control:	P/N 90760020

LASER

RGB LASER 1.6™

RGB LASER 1.6™

The Martin RGB Laser 1.6 is a compact and lightweight Class 4 laser with deep saturated colors and true whites, and an impressive spread angle of 80 x 80 degrees.

Features

- 80 x 80 degree projection angle
- Long diode lifetime
- Wavelengths calibrated close to Absolute White; intense blue of 446 nm.
- Noise level less than 42 dBA at 1 m (3.3 ft)
- Weatherproof rating: IP52
- Extremely robust, system does not misalign under regular touring conditions
- 2-year/3000 hrs. warranty
- Maintenance-free
- Storage for 256 cues, can be edited/overwritten
- DMX control
- Can be operated with any ILDA-compatible controller
- Real-time effect programming, editing and viewing
- Martin Laser Software included

Specifications

PHYSICAL

Length:	290 mm (11.4 in.)
Width:	204 mm (8.0 in.)
Height:	178 mm (7.0 in.)
Length including mounting yoke:	326 mm (12.8 in.)
Height including mounting yoke:	260 mm (10.2 in.)
Weight:	11.2 kg (24.7 lbs.)

LASER

Class:	4
Type:	Diode laser, cw emission
P lambda 440 nm - 660 nm:	Max. 2000 mW cw
White light output:	1.3 W
Maximum output:	1.6 W
Beam divergence:	0.8 mrad
Red wavelength:	650 nm +/- 5 nm
Green wavelength:	532.5 nm +/- 0.5 nm
Blue wavelength:	446 nm +/- 3 nm

PROJECTOR

Horizontal projection angle:	80°
Vertical projection angle:	80°
SASRT (step response time):	0.3 ms

CONTROL AND PROGRAMMING

Control options: Control options: DMX, ILDA, PC software (supplied), standalone autostart mode	
Resolution x and y:	12-bit
Resolution RGB intensity:	8-bit
DMX channels:	4, 8, 12 or 16
Demo sequence:	Storage for 256 cues, can be edited/overwritten
Stand-alone memory:	128 MB, 432 linkable/loopable cues
DMX address setting:	Onboard control panel with backlit LCD display
Stand-alone programming:	PC software
Projection settings and data readouts:	Onboard control panel with backlit LCD display
Protocol:	USITT DMX512-A

CONSTRUCTION

Housing:	Aluminum
Finish:	Black
Protection rating:	IP52

INSTALLATION

Orientation:	Any
Minimum distance to persons and objects in beam zone:	2 m (6.6 ft.)
Minimum height above publicly accessible floor:	3 m (9.8 ft.)
Minimum distance to combustible materials:	1 m (3.3 ft.)
Minimum distance to illuminated surfaces:	2 m (6.6 ft.)
Minimum clearance around device:	30 cm (11.8 in.)
Relative humidity limits:	0% - 90% non-condensing

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz
Power supply unit:	Auto-ranging electronic switch-mode
Main fuse:	2.5 AT (slow blow)

APPROVALS

US safety:	IEC 60825-1 / FDA Laser Notice 50
US Federal Standard:	21 CFR 1040.10 and 1040.11 (c)
Canadian safety:	CSA C22.2 No. 60950-1
EU safety:	EN 60825-1, EN 60950
EU EMC:	EN 55022, EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3

INCLUDED ITEMS

CD with Martin RGB Laser Show software, cue library and firmware	
Two security keys:	P/N 50521000
Interlock connector (AMP):	P/N 05347230
Adjustable mounting yoke:	P/N 56600069
5 m (16.4 ft.) USB 2.0 to 6-pin XLR adapter cable	
3 m (9.8 ft.) power cable, IEC, Schuko plug:	P/N 11501020
1.8 m (5.9 ft.) power cable, IEC, US plug:	P/N 11501502
1.8 m (5.9 ft.) power cable, IEC, without plug:	P/N 11501010

ORDERING INFORMATION

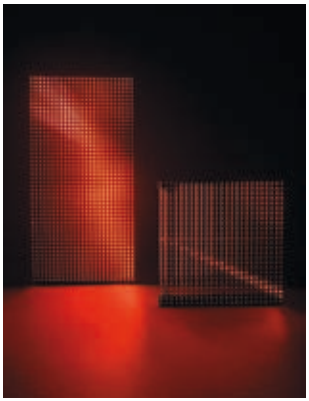
Martin RGB Laser 1.6 in cardboard box:	P/N 90432000
Martin RGB Laser 1.6 in single flightcase:	P/N 90432001

LEDs

LC SERIES™

STAGEBAR 54™

LC SERIES™



The LC Series is a semi-transparent, modular system of LED panels, perfect for displaying video and images. Designed for stage shows, TV studios and other commercial applications, the LC closely integrates light, video and set design, offering entirely new possibilities for staging.

Features

- 40 mm pixel pitch (seamless image at about 30m)
- Very bright, 1800 NITs (cd/m²)
- Semi-transparent design
- Genlock feature for preventing light-flicker in TV applications
- Daisy-chain set-up with DVI-D connection (up to 6 modules per link)
- Simple, familiar assembly in truss mount format
- Units can be evenly joined for a seamless image
- Light weight modules, easy to handle, cutting cost and time
- All-in-one solution, with no external power supplies or drivers

Specifications

PHYSICAL

Length:	1000 mm (39.4 in.)
Width:	105 mm (4.1 in.)
Height:	1004 mm (39.5 in.), LC 1140
Height:	2004 mm (78.9 in.), LC 2140
Weight:	14.3 kg (31.5 lbs.), LC 1140
Weight:	19.4 kg (42.8 lbs.), LC 2140

VIDEO PROCESSING

Video signal processor:	Integrated
Video signal:	XGA 1024 x 768 DVI-D (digital single link), 25x25 (LC 1140) or 25x50 (LC 2140) pixels displayed
Video signal frequency:	50 or 60 Hz
Genlock:	Yes

CONTROL AND PROGRAMMING

Setting and addressing:	DIP switch / LC Software

PHOTOMETRIC DATA

Light source:	5 mm (0.2 in.) oval LED
Total output (max.):	1800 Cd/m² (1800 nits) measured outside LED tubes, Ta 25° C (77° F)
Resolution, one fixture:	25 x 25 pixels (LC 1140), 25 x 50 pixels (LC 2140)
Pitch (pixel center-to-center):	40 mm (1.6 in.)
Pixels per m²:	625
Red dominant wavelength:	627.5 nm ± 2.5 nm
Green dominant wavelength:	522.5 nm ± 2.5 nm
Blue dominant wavelength:	472.5 nm ± 2.5 nm
Color resolution:	14 bits per color
Viewing angle:	>100° horizontal, >40° vertical at 50% intensity

CONSTRUCTION

Panel frames:	Steel and aluminum
LED tubes:	Acrylic
LED tubes per panel:	25
Transparency through panel (unmasked area):	>60%
Protection rating:	IP20

INSTALLATION

Orientation:	Any
Panel interlocking:	Prolyte CCS6 conical coupler system

ELECTRICAL

AC power:	100-120/200-240 V nominal, 50/60 Hz
Power supply unit:	Integrated, auto-sensing multi-voltage

ACOUSTIC

Noise level:	<45 dBA for one panel at 1 m (3.3 ft.), steady state, Ta 25° C (77° F)

APPROVALS

EU safety:	EN 60825-1, EN 60950
EU EMC:	EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3
US safety:	ANSI/UL 60950-1
Canadian safety:	CAN/CSA 60950-1-03

INCLUDED ITEMS

Prolyte CCS6 conical couplers and threaded spigots

ACCESSORIES

3 m (9.8 ft.) power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector:	P/N 11541503
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue:	P/N 05342804
Neutrik PowerCon NAC3FCB power output connector, cable mount, light grey:	P/N 05342805
PowerCon daisy-chain power cable, 1.4 m (4.6 ft.):	P/N 11850099
PowerCon daisy-chain power cable, 2.25 m (7.4 ft.):	P/N 11850100
PowerCon daisy-chain power cable, 3.25 m (10.7 ft.):	P/N 11850101
DVI-D cable, 1.5 m (4.9 ft.):	P/N 91611265
DVI-D cable, 3.2 m (10.5 ft.):	P/N 91611266
DVI-D cable, 5 m (16.4 ft.):	P/N 91611267
Martin DVI buffer box, LC series:	P/N 91611269
Martin DVI splitter, 2-output:	P/N 91611280
Martin DVI splitter, 4-output:	P/N 91611290
Martin DVI splitter, 8-output:	P/N 91611281
Conical coupler (Prolyte CCS6 system):	P/N 21021150
Threaded spigot for conical coupler:	P/N 08330125
Female conical coupler socket with hole for spigot:	P/N 21021151
Half conical coupler with hole for spigot, length 44 mm (1.7 in.):	P/N 21021152
Half conical coupler with hole for spigot, length 63 mm (2.5 in.):	P/N 21021153
Half conical coupler without hole for spigot, length 44 mm (1.7 in.):	P/N 26820300
Four-unit flightcase for 4 x LC 1140:	P/N 91510110
Four-unit flightcase for 4 x LC 2140:	P/N 91510040

ORDERING INFORMATION

4 x LC 2140, 2 x 1 m in 4-unit flightcase with 16 couplers and 24 spigots:	P/N 90354100
4 x LC 1140, 1 x 1 m in 4-unit flightcase with 16 couplers and 24 spigots:	P/N 90354110
LC 2140, 2 x 1 m in cardboard box, with 8 conical couplers and 8 spigots:	P/N 90354120
LC 1140, 1 x 1 m in cardboard box, with 8 conical couplers and 8 spigots:	P/N 90354130

STAGEBAR 54™

The new Stagebar 54 is a compact, powerful LED luminaire with a comprehensive color range, all-in-one simplicity and a tough temperament for the touring market. It functions as a pixel bar for displaying imagery and video or as a wash luminaire for floodlighting surfaces and stages.

Features

- 54 LEDS in 5 colors - Red, Green, Blue, Amber and White
- Consistent color with factory-calibrated pixels
- Choice of lens options: 29° (standard) or opaque diffuser
- All-in-one system with direct power & DMX inputs
- Loop-through wiring of power and data to reduce cabling
- Automatic heat management for optimum performance
- Auto sensing SMPS for worldwide compatibility
- Battery powered control menu for off-site set-up without power
- Choice of DMX control modes: RGB, RGBAW, HSI, HSIC

Specifications

PHYSICAL

Length, Stagebar 54S:	420 mm (16.5 in.)
Length, Stagebar 54L:	630 mm (24.8 in.)
Width:	190 mm (7.5 in.)
Height:	105 mm (4.1 in.)
Weight, without bracket, Stagebar 54S:	5.5 kg (12.1 lbs.)
Weight, without bracket, Stagebar 54L:	7.3 kg (16.1 lbs.)

DYNAMIC EFFECTS

Color mixing:	RGBAW, RGB, HSI, HSIC, 0 - 100% independently variable

CONTROL AND PROGRAMMING

Color control modes:	RGBAW, RGB, HSI, HSIC
DMX channels:	3 - 30
Grouped pixel control options:	6 x 1 (individual), 3 x 2, 2 x 3 or 1 x 6 (all as one group) pixels
DMX address setting:	Manual, auto addressing and auto address copy
Fixture setup:	Onboard control panel with display
Display:	Battery-powered backlit LCD, 2 x 16 characters
16-bit control (internal):	RGBAW, RGB, HSI, HSIC
Protocol:	USITT DMX512-A
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

PHOTOMETRIC DATA

Light source:	Luxeon K2 high power emitters
LED power per pixel:	2 x 1.2 W red, 2 x 2.9 W green, 2 x 2.9 W royal blue, 2 x 1.2 W amber, 1 x 2.9 W white
Total LED power per bar:	116 W
Even pitch across adjacent fixtures:	Horizontal/vertical (Stagebar 54L), horizontal (Stagebar 54S)
Total output (max.):	1900 lm

CONSTRUCTION

Color:	Black
Housing:	Steel and aluminum
Finish:	Electrostatic powder-coated
Protection rating:	IP 20

INSTALLATION

Mounting points:	Adjustable mounting bracket, 1/4-turn locks, four M6 threaded holes
Orientation:	Any

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz
Power supply unit:	Integrated, auto-sensing multi-voltage
Power output fuse:	15 AT (slow blow)
Main fuse:	4 AT (slow blow)

ACOUSTIC

Noise level:	<40 dBA at 1 m (3.3 ft.), steady state, Ta 25° C (77° F)

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17, IEC/EN 60825-1
EU EMC:	EN 55 015, EN 55 103-1, EN 55 103-2
US safety:	ANSI/UL 1573
Canadian safety:	CAN/CSA E 60598-2-17

INCLUDED ITEMS

Diffuser front (54S models):	P/N 41704080
Diffuser front (54L models):	P/N 41704060
Adjustable floorstand/mounting bracket:	P/N 71606007
3 m (9.8 ft.) power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector:	P/N 11541503
5-pin male XLR to male RJ-45 adapter (both cable connectors Neutrik in locking housing):	P/N 11840114

ACCESSORIES

Neutrik PowerCon NAC3FCA power input connector, cable mount, blue:	P/N 05342804
Neutrik PowerCon NAC3FCB power output connector, cable mount, light grey:	P/N 05342805
PowerCon daisy-chain power cable, 1.4 m (4.6 ft.):	P/N 11850099
PowerCon daisy-chain power cable, 2.25 m (7.4 ft.):	P/N 11850100
PowerCon daisy-chain power cable, 3.25 m (10.7 ft.):	P/N 11850101
5-pin male XLR to male RJ-45 adapter (both cable connectors Neutrik in locking housing):	P/N 11840114
5-pin female XLR to male RJ-45 adapter (both cable connectors Neutrik in locking housing):	P/N 11840116
3-pin male XLR to male RJ-45 adapter:	P/N 11840087
3-pin female XLR to male RJ-45 adapter:	P/N 11840086
DMX termination plug, RJ-45:	P/N 91613028

ORDERING INFORMATION

Stagebar 54S:	P/N 90352000
Stagebar 54L:	P/N 90352010

MEDIA SERVERS

MAXEDIA PRO™

MAXEDIA COMPACT™

	MAXEDIA PRO™	MAXEDIA COMPACT™
Outputs	2	2
DMX IN	✓ Direct	✓ with accessorie USB/DMX Interface
ArtNet IN	✓	×
DMX Out	✓	✓
ArtNet Out	✓	✓
3D Engine Layers	20	6
Top Layers	1	1
HD Playback	✓	×
Network Synchronization Content	✓	✓
Network Synchronization Cue	✓	✓
Flightcase	✓	×
In/Out Breakout Box	✓	×
Keyboard	✓	×
Monitor	×	×
Mouse	✓	×
Graphical User Interface	✓	✓
Hard Disks	2	2
SATA Tray	1	×
Pixel Mapping	✓	✓
Effects	Full Package	Full Package
Media Content DVD	✓	✓
Windows XP Embedded	✓	✓
Video In Capture CVBS	✓	× (Firewire)
Video In Capture SDI	Option	×
Graphics Cards	1	1

MAXEDIA PRO™

Offering an intuitive plug-and-play digital media solution for the most advanced applications including TV shows, concert touring shows and industrial events, Maxedia Pro offers the Maxedia software in a powerful, road-proven system designed for powerful video and animation playback and real-time manipulation.

Features

- Intuitive user interface
- DMX-in via Ethernet (ArtNet)
- 20 x 3D engine layer
- 1 top layer
- Effect plug-ins
- Pixelmapping / DMX out (ArtNet and DMX 512)
- Video speed control
- Two video output configurations (Out 1 + GUI or Out 1 + Out 2)

Specifications

PHYSICAL

Length:	600 mm (23.6 in.)
Width:	600 mm (23.6 in.)
Height:	550 mm (21.7 in.)
Weight:	75 kg (165.2 lbs.)

Dimensions and weight are for complete system including flightcase

CONTROL/USER INTERFACE

Real-world paradigm intuitive interface (images, dynamic text labels and actuals preferred to figures)
Maxxyz/Maxedia family user interface
16 x customizable screen workspace/configurations
Touch-screen compatible user interface
Keymapping (cues and transitions assignable to keyboard keys for instant triggering)
Fixture patches identical with Maxxyz series, can be imported from Maxxyz
DMX Viewer for DMX IN value reports
20 x 3D engine layers
Static and dynamic effect presets (e.g. blending, moves)
Range of 2D and 3D plug-ins, various media
Shader and shader media
Video cue recording, no limits
Transitions and wipes
Output parameter adjustments, keystoning and framing
Masking
Backlit LCD display with menu buttons on I/O module for directly configuring DMX addresses and settings

PLAYBACK

Video output resolution:	800x600, 1024x786 or 1440x1080
	Two video output configurations (out 1 + GUI or out 1 + out 2)
Number of media layers:	20 each in A/B mixers
Number of 'top layers' (always on top):	1
Network synchronization content:	Yes
Network synchronization playback:	Yes
Pixel mapping (image pixel to fixture):	CMY and RGB

Integrated test pattern generator
Master/slave networking with cue/media/timecode synchronization
Media files in SD and HD resolution (DV codec)

HARDWARE

Elements supplied pre-wired and 19-inch rack-mounted in custom 9U rack flightcase with lockable castors
Pentium D 945 CPU, 3.4 GHz, 800 MHz FSB, 2 x 2 MB L2 cache, LGA 776
Intel D975XBK mainboard
2 x 1 GB DDR2-533/PC4300 RAM
2 x Maxtor DiamondMax 10 200 GB SATA 3.0 Gb/s HDDs, one for system, one swappable in SATA tray for media (gives approx. 10 hrs. high-quality video)
PCIe X1950XTX Sapphire video card
Internal video capture card
DVD R/RW

SOFTWARE

Embedded OS, Win XPe user interface
Supported media: AVI and MOV with DV codec in SD and HD quality, WMV, JPEG, BMP, Flash
Pixel mapping software for direct DMX out fixture control
Worldwide fixture library
Media Manager for media import and export
MAXNET network system for networking multiple media server and Maxxyz control systems

CONNECTIONS

Connections in I/O Module, accessible at front of rack

DMX in:	5-pin locking XLR
DMX out:	5-pin locking XLR
EtherDMX (ArtNet)/ACN in:	RJ-45
EtherDMX (ArtNet)/ACN out:	RJ-45
Ethernet Remote:	RJ-45
Storage media/hardware/network/video:	2 x USB, 1 x IEEE 1394 Firewire
Camera inputs:	CVBS in, buffered CVBS in, buffered SDI in (requires accessorie)
Video out:	VGA, RGB, two DVI outputs, Composite, S-video & SDI (requires accessorie)
Stereo audio in (balanced):	2 x 3-pin locking XLR
Stereo audio out (balanced):	2 x 3-pin locking XLR, S/PDIF
User display interface (VGA, 1024x768):	DVI
Serial interface:	RS232, RS422/EIA-422

ELECTRICAL

AC power:	US system 110-120 V, 60 Hz, EU system 220-240 V, 50 Hz

INCLUDED ITEMS

Maxedia Quick Start Guide
Standard Media Library (images and videos) on 5 DVDs
Maxedia OS DVD
Maxedia media server
Maxedia I/O Module breakout box
Maxedia rack flightcase
Slide-out QWERTY keyboard with trackpad in lockable drawer
Maxedia lock keys
1.5 m (4.9 ft.) power cable, 3-pin IEC: P/N 11501012

ORDERING INFORMATION

Maxedia PRO System, EU:	P/N 90732520
Maxedia PRO System, US:	P/N 90732530

MAXEDIA COMPACT™

Offering an intuitive plug-and-play digital media solution for clubs and retail environments, Maxedia Compact offers the Maxedia software in an attractive and small system designed for powerful video and animation playback and real-time manipulation.

Features

- Intuitive user interface
- DMX-in with universal USB/ DMX interface
- 6 x 3D engine layer
- 1 top layer
- Effect plug-ins
- Pixelmapping / DMX out
- Video speed control
- Two video output configurations (Out 1 + GUI or Out 1 + Out 2)

Specifications

PHYSICAL

Length:	325 mm (12.8 in.)
Width:	240 mm (9.4 in.)
Height:	195 mm (7.7 in.)
Weight:	10 kg 22.0 lbs.)

CONTROL/USER INTERFACE

Real-world paradigm intuitive interface (images, dynamic text labels and actuals preferred to figures)
Maxxyz/Maxedia family user interface
16 x customizable screen workspace/configurations
Touch-screen compatible user interface
Keymapping (cues and transitions assignable to keyboard keys for instant triggering)
Fixture patches identical with Maxxyz series, can be imported from Maxxyz
DMX Viewer for DMX IN value reports
6 x 3D engine layers
Static and dynamic effect presets (e.g. blending, moves)
Range of 2D and 3D plug-ins, various media
Shader and shader media
Video cue recording, no limits
Transitions and wipes
Output parameter adjustments, keystoning and framing
Masking

PLAYBACK

Video output resolution:	800x600, 1024x786
	Two video output configurations (out 1 + GUI or out 1 + out 2)
Number of media layers:	6 each in A/B mixers
Number of 'top layers' (always on top):	1
Network synchronization (content and playback):	Yes
Pixel mapping (image pixel to fixture):	CMY and RGB

Integrated test pattern generator
Master/slave networking with cue/media/timecode synchronization
Media files in SD resolution (DV codec)

HARDWARE

Intel 975XBX2 motherboard
Intel Q6600 Processor
2 GB 667MHz memory
HD3870 Videocard
Analog capture card
2 extra LAN cards for DMX IN and OUT
DVD-RW drive
1 OS HD 250GB
1 External Content HD 320GB
700W Supply
Flightcase with IOBox and keyboard

SOFTWARE

Embedded OS, Win XPe user interface
Supported media: AVI and MOV with DV codec in SD, WMV, JPEG, BMP, Flash
Pixel mapping software for direct DMX out fixture control
Worldwide fixture library
Media Manager for media import and export
MAXNET network system for networking multiple media server and Maxxyz control systems

CONNECTIONS

DMX data in/out:	Processed by Universal USB/DMX Interface hardware (available separately)
Storage media/hardware/network/video:	2 x USB, 1 x IEEE 1394 Firewire
Ethernet Remote:	RJ-45
Camera inputs:	CVBS in, buffered CVBS in, buffered SDI in
User display interface (VGA, 1024x768):	DVI

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz

APPROVALS

	UL approved
EU safety:	EN 60950
EU EMC:	EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3

INCLUDED ITEMS

Maxedia Quick Start Guide
Standard Media Library (images and videos) on 5 DVDs
Maxedia OS DVD

ORDERING INFORMATION

Maxedia Compact, EU, US:	P/N 90732540

CONTROLLERS & CONTROLLER TOOLS

2510 CONTROLLER™

FREEKIE™

LIGHTJOCKEY 2™

MAXXYZ™

MAXXYZ COMPACT™

MAXXYZ PC™

MAXXYZ WING™

XCITER™

LIGHT FOX™

MARTIN SHOWDESIGNER™

MUM™

ETHERNET SWITCH™

UNIVERSAL USB/DMX INTERFACE™

DMX SWITCHPACK™

RS-485 OPTOSPLITTER™

DABS1™

2510 CONTROLLER™

Powerful playback controller for an easy and inexpensive hardware based control solution.

Features

- Record up to 512 DMX channels from LightJockey
- Easy playback with manual selection of sequences
- Up to 10 sub-lists of sequences
- Music input for triggering scenes
- Blackout function
- Download free preprogrammed shows for Mania SCX and Mania EFX series

Specifications

PHYSICAL

Length:	483 mm (19.0 in.)
Width:	65 mm (2.6 in.)
Height:	89 mm (3.5 in.)
Weight:	1.0 kg (2.2 lbs.)

CONTROL AND PROGRAMMING

Playback triggering options:	Auto, manual and music trig with built-in microphone
Capacity, LightJockey scenes:	From 247 (512 channels) to 42 325 (1 channel)
Capacity 2030 Controller scenes:	8024
Sublists of sequences:	Up to 10

Instant blackout button

CONTROL/USER INTERFACE

Two-digit LED display

Menu up/down plus direct access function keys

CONSTRUCTION

Housing:	Steel and aluminum
Finish:	Electrostatic powder-coated

INSTALLATION

19-inch rack mount (2U)

CONNECTIONS

AC power input:	1.5 m (4.9 ft.) cable tail w/o power plug
Data input:	RS-232 via DB9 connector
Data output:	RS-485 via 3-pin XLR, polarity-reversing adapter required to convert to compliant DMX

ELECTRICAL

AC power: US model 100-120 V nominal, 50/60 Hz, EU model 208-240 V nominal, 50/60 Hz

APPROVALS

EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2

INCLUDED ITEMS

CD with preprogrammed shows:	P/N 98163009
DMX termination plug, 3-pin XLR:	P/N 91613017
Polarity-reversing 3-pin XLR adapter (converts Martin protocol to DMX):	P/N 11820006
5 m data cable, 3-pin XLR:	P/N 11820008

ORDERING INFORMATION

2510 Controller, 512 DMX, 100–130 V:	P/N 90716100
2510 Controller, 512 DMX, 220–240 V:	P/N 90716000

FREEKIE™

The Freekie is a DJ controller that adds instant lighting control to the dancefloor mix. Packed with easy to use features, Freekie has pitch and pan/tilt control for instant lightshow to music synchronization.

Features

- Pitch fader allowing instant speed manipulation of lightshow
- Controls up to 12 fixtures each with 12 channels
- Smart macro function for easy creation of circle movements
- Joystick for pan/tilt control
- Master intensity fader for all fixtures
- Audio control: built-in microphone or external control signal input
- Multi-purpose smoke and strobe buttons (customizable for additional DMX units)
- Instant control of up to 24 shows with MIDI
- Set wait/fade times for advanced programming
- Followspot function: isolate any single fixture to work as joystick-controlled followspot

Specifications

PHYSICAL

Length:	482 mm (19.0 in.)
Width:	176 mm (6.9 in.)
Height:	95 mm (3.7 in.)
Weight:	2.5 kg (5.5 lbs.)

CONTROL AND PROGRAMMING

Protocol:	DMX512
10 banks of 12 programmable shows, each containing up to 10 scenes	
On-the-fly global timing changes	
Macros	

CONTROL/USER INTERFACE

Backlit alphanumeric LCD display, 2 rows of 16 characters
Joystick for pan/tilt control, normal and fine control modes
Follow-spot mode, normal and fine joystick control
Pitch fader for instant speed adjustment during playback
Master fader
12 x faders, 12 x fixture selection buttons
Buttons for instant smoke, strobe and blackout/dim all

PLAYBACK

Playback triggering options:	Programmed scene changes, audio with built-in microphone or external audio signal, MIDI
Individual fade in/fade out times for all playbacks	
Live 0-100% override of global cue timings	

INSTALLATION

Table or 19-inch rack (4U) mount

CONNECTIONS

9 V DC power input:	Co-ax low-voltage
DMX out:	2 x 3-pin and 2 x 5-pin locking XLR
MIDI in, thru:	Standard MIDI (5-pin DIN)
Audio trigger signal in:	6.3mm (1/4-inch) mono jack

APPROVALS

EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2

INCLUDED ITEMS

9 V DC mains adapter	
Freekie guide/inspiration DVD:	P/N 98163005

ORDERING INFORMATION

Freekie Controller, 210-230 V*:	P/N 90734000
Freekie Controller, 110-130 V*:	P/N 90734010

**Operates on any mains supply with suitable 9 V DC, 1 A transformer*

LIGHTJOCKEY 2™

LightJockey 2.7 is a flexible, easy to use Windows-based controller that is available with a single Universal USB-DMX Interface.

Features

- Windows XP, Windows 2000 based controller
- Large fixture library and user configurable editor
- Solid beam virtual visualizer for programming shows off-site
- Supports MP3, audio CD, SMPTE and MIDI timecode
- Universal USB/DMX Interface with 2 x 512 Channels DMXIN/Out
- Control of up to 100 fixtures, 2048 DMX channels
- Graphical representation of all fixture functions
- Add-on LightJockey Manager, free downloadable software for scheduling events

Specifications

PHYSICAL

Shipping Length:	275 mm (10.8 in.)
Shipping Width:	75 mm (3.0 in.)
Shipping Height:	325 mm (12.8 in.)
Shipping Weight:	1.4 kg (3.1 lbs.)

CONTROL AND PROGRAMMING

Trig sources: Manual, auto, audio input with FFT analyzer, DMX in, MIDI, Light Jockey Manager
Cue list time code synchronization (CLTCS) options
Internal timer, including 24-hour clock
Audio CD time code from CD-ROM drive
Digital Audio (MP3, Wav, etc.) time code using Winamp
MIDI Time code, SMPTE with suitable SMPTE/MTC interface

PROGRAMMING

Number of fixtures:	Up to 100
Fixture library:	All Martin (DMX) fixtures, user-definable profiles for non-Martin fixtures, generic DMX profiles
Control:	Graphical control of all fixture parameters
Visualization:	Integrated solid beam Offline Visualizer for programming fixtures offline

Macros: Pan and tilt, relative or absolute movement, shape generator with different shapes and delay styles
LightJockey Manager trigger options

PLAYBACK

Cue contains 12 sequences with global or individual fade time adjustment
Master intensity control + 8 configurable intensity groups
Manual override with direct access to all functions
Independent background cue with 5 parallel sequences
Blackout and fade out function
Go button for manual cue lists
Assignable keyboard hotkeys for faster access
Smoke control independent from programming
Follow spot function
Cue list for synchronization with timer, digital audio or Audio CD-ROM timecode
Audio analyzer for trigging sequences by audio
Function and DMX channel override via DMX IN (depending on interface type)

MINIMUM SYSTEM REQUIREMENTS

64 MB RAM
Standard PC with Pentium 200 MHz or equivalent
Monitor resolution of 800 x 600 in 16 bit colors, with small fonts
USB port for DMX interface hardware
20+ MB hard disk space
Windows 95/98/ME/2000/XP*

RECOMMENDED

512+ MB RAM
Fast graphics card with minimum 128 MB graphics cache
Pentium 4 or equivalent
1024 x 768 monitor resolution, 16/32-bit true color, with small fonts
USB port for DMX interface hardware
Network card
80+ MB available hard disk space
Windows 2000/XP*
**Windows Vista not currently supported*

INCLUDED ITEMS

Martin LightJockey DMX Software CD
Universal USB/DMX Interface and cables

ACCESSORIES

2510 Controller, 110-130 V, 60 Hz:	P/N 90716100
2510 Controller, 220-240 V, 50 Hz:	P/N 90716000
Universal USB/DMX Interface:	P/N 90702045

ORDERING INFORMATION

LightJockey, Universal USB/DMX:	P/N 90702055

MAXXYZ™

Maxxyz is Martin's professional lighting console with a string of original features and an intuitive and graphical software interface.

Features

- Integrated 3D Visualizer: preview or program in real-time 3D
- Digital LCD buttons for fast and direct programming
- Multiple wing attachment
- Up to 32 DMX universes, 8 available directly from the console
- Dual processing power, 2 Pentium CPUs
- Maxxyz Manager Software for programming and triggering via time and calendar schedules
- Customizable Graphical User Interface with context sensitive toolbars and integrated help menu
- Powerful effects engine
- Controls up to 16384 fixtures
- 1000 cuelists with motorized fader control
- 1000 cuelists with playback control buttons
- 12 customizable function keys
- Parallel execution of multiple cuelists
- Submaster, groupmaster and override functionality
- Parameter and Time Fanning functionality
- Auto update for presets and cues
- On-the-fly global timing adjustments
- Networking with Maxedia media server

Specifications

PHYSICAL

Length:	1034 mm (40.7 in.)
Width:	613 mm (24.1 in.)
Height:	287 mm (11.3 in.)
Weight:	48 kg (105.8 lbs.) w/o flightcase, 66 kg (145.5 lbs.) with flightcase

CONTROL AND PROGRAMMING

Protocol:	DMX512
DMX512, Artnet (ACN and RDM pending)	
8 DMX universes, expandable to 32	
4096 channels, expandable to 16384	
No limit to number of DMX channels per fixture	
3-D Visualizer	
Extensive fixture library for all known manufacturers	
65000 presets for each group of functions (P/T, color, gobo, etc.)	
Effect generator for automated programming of complex effects	
Customizable highlight and lowlight function to identify individual fixtures	
Relative or absolute programming	
Fan function for all channels (including timing parameters)	
On-the-fly global timing changes	
Virtual cuelists	
Macros	
Wait, follow and link cues	
HTP, LTP, chase, timecode, submaster and group master playback functionality	
Individual parameter timings	
Intuitive patch feature	
Fixture type cloning	
All channels with 16-bit resolution	

CONTROL/USER INTERFACE

10 x motorized playback faders, each with one dynamically labeled LCD button (to identify/ activate playback) and two function-assignable buttons
8 x digital fader belts for fixture parameter control
15 x dynamically labeled digital LCD buttons for parameter groups, functions, effect parameters, fanning, global timings
Grand master fader and button
Flash master fader and button
Two group master faders and buttons
Trackball with pan/tilt control switch
16 x view buttons, 4 x view scroll buttons
Preview button
12 x customizable function keys, F1 to F12
Customizable highlight/lowlight function
Speaker and headset volume controls
Next/last fixtures/groups
Left/right mouse button
Digital encoder wheels for window scrolling and screen/desk lamp intensity

PLAYBACK

Assign a cue, cuelist or effect to any playback fader
100 playback banks, each containing 10 playbacks, can all be active simultaneously
No limit to cues per cuelist
100 pages of 100 playbacks activated by touch screen button
Full 16-bit fading for high-resolution fixtures
Individual fade in/fade out times for all playbacks
Manual override available at all times
Live 0-1000% override of global cue timings
Live programmer timing ("Sneak")
Go-function (supports multiple cues simultaneously)
Cuelists can be executed in tracking or non-tracking mode
Show data is mirrored on secondary hard disk

MAXXYZ™

HARDWARE

Two industrial SVGA 12.1" TFT color touch monitor screens
Two internal hard drives
Two industrial motherboards with 1.2 GHz Pentium III processors
DVD/CD drive (not intended for movie playback)
3.5" floppy drive
3 x LED desk lamps
Integrated stereo loudspeakers
Integrated slide-out QWERTY keyboard

SOFTWARE

Industrial Windows XP Embedded OS (not user-accessible)
Real-world paradigm intuitive interface (images, dynamic text labels and actuals)
Show backup on hard disk, CD-R or USB storage device (not included)
Compatible with Martin ShowDesigner

CONNECTIONS

8 x DMX universe outputs:	5-pin locking XLR
2 x external monitor screens:	VGA
Artnet for addition of up to 32 DMX universes:	RJ-45
Maxxyz/Maxedia multiple controller link:	RJ-45
4 x Maxxyz Wing interfaces:	RJ-45
3 x storage media/hardware peripherals:	USB 2.0
MIDI in/out/thru (MIDI show control, MIDI notes, MIDI timecode):	Standard MIDI (5-pin DIN)
SMPTE timecode in:	3-pin locking XLR
LTC timecode in:	BNC
Headphones:	3.5 mm stereo mini-jack
3 x desk lamps:	XLR
AC power input:	3-pin IEC

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz

APPROVALS

EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2
US safety (pending):	ANSI/UL 60950-1
Canadian safety (pending):	CSA C22.2 No. 60950-1

INCLUDED ITEMS

Maxxyz flightcase:	P/N 91535005
Maxxyz soft cover:	P/N 33302006
3 x LED desk lamps:	P/N 06220004
Mounting bracket for external monitor, left:	P/N 55732062
Mounting bracket for external monitor, right:	P/N 55732064
4 x 3-pin female to 5-pin male XLR adapters:	P/N 91613024
1.5 m (4.9 ft.) power cable, 3-pin IEC:	P/N 11501012
Spare fuse set	
User documentation CD	

ORDERING INFORMATION

Maxxyz Controller:	P/N 90732000

MAXXYZ COMPACT™

Maxxyz Compact offers full Maxxyz functionality and philosophy in a mid-sized console. With compact size and modular design, this professional lighting console is a new addition to the Maxxyz range.

Features

- Digital LCD buttons for fast and direct programming
- Multiple wing attachment
- Up to 32 DMX universes, 4 available directly from the console
- Maxxyz Manager Software for programming and triggering via time and calendar schedules
- Customizable Graphical User Interface with context sensitive toolbars and integrated help menu
- Powerful effects engine
- Controls up to 16384 fixtures
- 1000 cuelists with motorized fader control
- 1000 cuelists with playback control buttons
- 5 customizable LCD function keys
- Parallel execution of multiple cuelists
- Submaster, groupmaster and override functionality
- Parameter and Time Fanning functionality
- Auto update for presets and cues
- On-the-fly global timing adjustments

Specifications

PHYSICAL

Length:	730 mm (28.7 in.)
Width:	700 mm (27.6 in.)
Height:	300 mm (11.8 in.)
Weight:	31 kg (68.3 lbs.)

MAXXYZ COMPACT™

Specifications

CONTROL AND PROGRAMMING

Protocol:	DMX512, Artnet (ACN and RDM pending)

4 DMX universes, expandable to 32
2048 channels, expandable to 16384
No limit to number of DMX channels per fixture
Extensive fixture library for all known manufacturers
65000 presets for each group of functions (P/T, color, gobo, etc.)
Effect generator for automated programming of complex effects
Customizable highlight and lowlight function to identify individual fixtures
Relative or absolute programming
Fan function for all channels (including timing parameters)
On-the-fly global timing changes
Virtual cuelists
Macros
Wait, follow and link cues
HTP, LTP, chase, timecode, submaster and group master playback functionality
Individual parameter timings
Intuitive patch feature
Fixture type cloning
All channels with 16-bit resolution

CONTROL/USER INTERFACE

10 x motorized playback faders, each with one dynamically labeled LCD button (to identify/activate playback) and two function-assignable buttons
4 x digital fader belts for fixture parameter control
10 x dynamically labeled digital LCD buttons for parameter groups, functions, effect parameters, fanning, global timings
Grand master fader and button
Flash master fader and button
Trackball with pan/tilt control switch
16 x view buttons, 2 x view scroll buttons
Blind/preview button
10 x pause/back buttons
10 x go buttons
10 x flash buttons
5 x customizable function keys, LCD buttons
Customizable highlight/lowlight function
Next/last fixtures/groups
Left/right mouse button
Digital encoder wheels for window scrolling and screen/desk lamp intensity

PLAYBACK

Assign a cue, cuelist or effect to any playback fader
100 playback banks, each containing 10 playbacks, can all be active simultaneously
No limit to cues per cuelist
100 pages of 100 playbacks activated by touch screen button
Full 16-bit fading for high-resolution fixtures
Individual fade in/fade out times for all playbacks
Manual override available at all times
Live 0-1000% override of global cue timings
Live programmer timing ("Sneak")
Go-function (supports multiple cues simultaneously)
Cuelists can be executed in tracking or non-tracking mode)

HARDWARE

Industrial SVGA 12.1" TFT color touch monitor screen
Internal SATA 2.5" hard disk drive
Modular construction
Industrial motherboard with Pentium M processor
DVD/CD drive (not intended for movie playback)
2 x integrated dimmable LED desk lamps
Integrated slide-out QWERTY keyboard

SOFTWARE

Industrial Windows XP Embedded OS (not user-accessible)
Real-world paradigm intuitive interface (images, dynamic text labels and actuals)
Show backup on hard disk or USB storage device (not included)
Compatible with Martin ShowDesigner

CONNECTIONS

4 x DMX universe outputs:	5-pin locking XLR
External monitor screen:	VGA
Artnet for addition of up to 32 DMX universes:	RJ-45
Maxxyz/Maxedia multiple controller link:	RJ-45
2 x Maxxyz Wing interfaces:	RJ-45
4 x storage media/hardware peripherals:	USB 2.0
MIDI in/out/thru (MIDI show control, MIDI notes, MIDI timecode):	Standard MIDI (5-pin DIN)
SMPTE timecode in:	3-pin locking XLR
LTC timecode in:	BNC
2 x desk lamps:	XLR
AC power input:	3-pin IEC

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz

TYPICAL POWER AND CURRENT

230 V, 50 Hz:	160 W, 0.75 A

INCLUDED ITEMS

Maxxyz Compact dust cover:	P/N 33302008
Maxxyz Compact monitor bracket, left:	P/N 55732076
Maxxyz Compact monitor bracket, right:	P/N 55732074
4 x 3-pin female to 5-pin male XLR adapters:	P/N 91613024
1.5 m (4.9 ft.) power cable, 3-pin IEC:	P/N 11501012
User documentation CD	

ACCESSORIES

Maxxyz Compact desk lamp:	P/N 91613036

ORDERING INFORMATION

Maxxyz Compact Controller:	P/N 90732020

MAXXYZ PC™

This Windows-compatible version of the Maxxyz console is an online and offline editing tool that gives you total Maxxyz functionality from the ease and convenience of a PC or laptop. It is ideal for training purposes and preprogramming of shows.

Features

- Support for 32 DMX universes
- Offline and online programming
- Maxxyz Manager Software for programming and triggering via time and calendar schedules
- Customizable Graphical User Interface with context sensitive toolbars and integrated help menu
- Powerful effects engine
- Controls up to 16384 fixtures
- 1000 cuelists with motorized fader control
- 1000 cuelists with playback control buttons
- Keyboard shortcuts
- 12 customizable function keys
- Parallel execution of multiple cuelists
- Submaster, groupmaster and override functionality
- 3D visualizer integrated
- Full compatibility with Maxxyz console
- Fanning functionality
- Auto update for presets and cues, including 'track backwards'
- On-the-fly global timing adjustments
- Networking with Maxedia media server

Specifications

CONTROL AND PROGRAMMING

Protocol:	DMX512, Artnet (ACN and RDM pending)
Up to 32 universes	
Up to 16384 channels	
No limit to number of DMX channels per fixture	
3-D Visualizer	
Extensive fixture library for all known manufacturers	
65000 presets for each group of functions (P/T, color, gobo, etc.)	
Effect generator for automated programming of complex effects	
Customizable highlight and lowlight function to identify individual fixtures	
Relative or absolute programming	
Fan function for all channels (including timing parameters)	
On-the-fly global timing changes	
Virtual cuelists	
Macros	
Wait, follow and link cues	
HTP, LTP, chase, timecode, submaster and group master playback functionality	
Individual parameter timings	
Intuitive patch feature	
Fixture type cloning	
All channels with 16-bit resolution	

CONTROL/USER INTERFACE

All controls listed below are virtual, on-screen only, and are operated via touch screen or mouse click

Real-world paradigm intuitive interface (images, dynamic text labels and actuals preferred to figures)
10 x playback faders, each with one dynamically labeled LCD button (to identify/activate playback) and two function-assignable buttons
8 x digital fader belts for fixture parameter control
15 x dynamically labeled digital LCD buttons for parameter groups, functions, effect parameters, fanning, global timings
Grand master fader and button
Flash master fader and button
Two group master faders and buttons
16 x view buttons, 4 x view scroll buttons
Blind/preview button
12 x customizable function keys, F1 to F12
Highlight function
Next/last fixtures/groups
Numeric and functional keypad
Main playback control section

PLAYBACK

Assign a cue, cuelist or effect to any playback fader
100 playback banks, each containing 10 playbacks, can all be active simultaneously
No limit to cues per cuelist
100 pages of 100 playbacks activated by touch screen button
Full 16-bit fading for high-resolution fixtures
Individual fade in/fade out times for all playbacks
Manual override available at all times
Live 0-1000% override of global cue timings
Live programmer timing ("Sneak")
Go-function (supports multiple cues simultaneously)
Cuelists can be executed in tracking or non-tracking mode

MAXXYZ PC™

MINIMUM SYSTEM REQUIREMENTS

Windows XP (Home or Pro) with SP2*
Pentium III, 1.2 GHz (Pentium 4 recommended)
512 MB RAM (1024 MB recommended)
350 MB available hard disk space
Display with 1024 x 768 resolution
CD-ROM drive
USB 1.1 (or higher) port for HASP dongle
Full administrator rights on PC
USB 1.1 (or higher) port if Martin Universal USB/DMX Interface is used
10/100 Ethernet port for ArtNet DMX output
Network card required for communication with Maxedia Media Server
Server, Distributed Transaction
Coordinator (MSDTC)
**Windows Vista not currently supported*

ENVIRONMENT

Up to 32 DMX universes per HASP dongle
Direct communication with Maxxyz modules (e.g. Maxxyz 10 Playback Module) via USB
ArtNet compatible DMX distribution
Supports Martin Universal USB/DMX Interface
Supports Maxxyz Playback Wing
Free Maxxyz Manager add-on for custom user interfaces and advanced scheduling, astronomical clock, supports GPS, commands by RS232, Telnet, HTML
Demo version of Maxxyz Visualizer included (limited to 2 universes)
Compatible with Martin Show Designer
Sending on DMX channels requires the HASP dongle and additional hardware such as the Universal USB/DMX Interface

INCLUDED ITEMS

Maxxyz PC installation CD (including Offline Visualizer) in protective case
Maxxyz PC USB HASP dongle
Maxxyz PC lanyard

ORDERING INFORMATION

Maxxyz PC: P/N 90732010

MAXXYZ WING™

The Maxxyz Wing System extends the Maxxyz's functionality and gives you the ability to customize and add more direct access to your console.

Features

- Modular design for future expansion
- Full playback capabilities, identical in layout to Maxxyz console
- LCD buttons with customizable text
- Motorized faders
- Easily connects to Maxxyz or Maxxyz PC via USB
- Smart design allows for operation left or right of the main console
- Sturdy and robust construction

Specifications

PHYSICAL

Length:	440 mm (17.3 in.)
Width:	610 mm (24.0 in.)
Height:	290 mm (11.4 in.)
Weight:	3.5 kg (7.7 lbs)

Dimensions are for Wing frame without case

CONTROL/USER INTERFACE

10 x motorized playback faders, each with one dynamically labeled LCD button (to identify/activate playback) and two function-assignable buttons
20 x conventional buttons
5 x LCD bank selection keys
Jog wheel for scrolling bank selection
2 x five bank up/down 'nudge' keys

Controls listed are per playback module - one Wing frame can contain two playback modules

PLAYBACK

Playback options:	Stand-alone or extension to Maxxyz Console

CONNECTIONS

Maximum number of Playback Modules per Maxxyz Console:	16
Wing I/O:	RJ-45
Maxxyz PC:	USB
Desk lamp:	XLR
Power in/out:	3-pin IEC
Wireless remote	

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz

APPROVALS

EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2
US safety (pending):	ANSI/UL 60950-1
Canadian safety (pending):	CSA C22.2 No. 60950-1

INCLUDED ITEMS

Included with P/N 90732100 Maxxyz Wing Playback Module	
LED desk lamp:	P/N 06220004
USB cable (A/B), 1000 mm (39.4 in.):	P/N 11840066
1.5 m power cable, 3-pin IEC:	P/N 11501012
Power interconnect cable, IEC 3-pin:	P/N 11850039
Ethercon patch cable:	P/N 11840100
Included with P/N 90732110 Maxxyz Wing Frame	
Maxxyz Wing flightcase:	P/N 91535006
Ethercon patch cable:	P/N 11840100
Power interconnect cable, IEC 3-pin:	P/N 11850039
Two spindles for attachment to Maxxyz or other Wing Frame	

ACCESSORIES

Flightcase for Maxxyz Wing:	P/N 91535006

ORDERING INFORMATION

Maxxyz Wing Playback Module, 90-250 V:	P/N 90732100
Maxxyz Wing Frame in Flightcase:	P/N 90732110

One "complete" Maxxyz Wing requires 1 x Wing Frame and 2 x Playback Modules

XCITER™

The Xciter lighting controller closes the circle on total performance control. It provides complete functionality to your fingertips, with instant pitch adjustment, freeze, flash, blackout, master fader and more. From the most personal show to mid-sized performances, the Xciter puts you in total control.

Features

- 40 fixtures, with maximum of 48 channels + dimmers (Total max 512 channels)
- Add Pan/Tilt shape effects with timing effects
- Add any effect to a single channel including timing effects
- Up to 10 manual override scenes during playback on faders
- Pitch fader increases or decreases show speed by up to 5 times
- Freeze button
- Master fader to adjust general light intensity
- 4 programmable custom buttons
- Assign different frequencies of the music as a trigger for any parameter of the fixture(s)
- Export, backup or import shows via USB to PC

Specifications

PHYSICAL

Length:	483 mm (19.0 in.)
Width:	265 mm (10.4 in.)
Height:	120 mm (4.7 in.)
Weight:	4.7 kg (10.4 lbs.)

CONTROL AND PROGRAMMING

Up to 160 cues (1 background scene + 4 simultaneous sequences per cue)
Up to 160 cuelists (automated shows with go, chase and wait functionality)
Up to 160 presets on all channels
40 fixtures of max. 40 channels (total max. 512 physical channels)
20 dimmers of max. 48 channels (total max. 512 physical channels)
Effect generator with adjustable speed, swing and delay
16-bit fan control on all channels to create spread-outs
Relative and absolute control possible over all channels
16-bit control possible on all channels
UP to 6 sequences can be cross-faded with cues during playback
Effect macros (several factory-loaded)
Auto-start of automated shows with lamp-on feature
Built-in Martin fixture library (other libraries can be uploaded via USB)
Library editor to create custom fixture definitions
Export/import shows and libraries via USB to PC

Sequence trigger options:	Internal clock, manual, audio (4-band, adjustable levels), BPM (with record mode)
Sequence options:	Forward, backward, bounce, random, one-shot freeze, one-shot release
Protocol:	DMX512

CONTROL/USER INTERFACE

Blue backlit LCD display, 2 x 40 characters, to show fader labels (parameters and values)
Blue backlit LCD display, 4 x 20 characters, to show menus and dialogs
6 x faders and flash buttons for parameter control and direct access scenes during playback
Master fader
Master flash button
Blackout button
Dim button for direct access to dimmer channels
Fix button to control fixtures
Freeze button
Cue button to launch single cues
Cuelist button to activate cuelists
Programmable smoke, strobe, extra 1 and extra 2 buttons
Soft power button with 2-second switch-off protection
Pitch fader with center indent for instant playback speed adjustment
8 x soft buttons to select items in the display
ESC and ENTER buttons for menu and dialog control
8 x page buttons to select cue pages and fixture groups
Previous and next buttons for single-stepping, data entry, navigation
20 x general-purpose buttons to select cues, select fixtures and enter data
Shift key to access secondary functions
Jog wheel to scroll through lists and input data
Joystick for pan/tilt control with built-in coarse/fine toggle button
Pan and tilt exclude buttons
Home button to send all selected fixtures to home positions

INSTALLATION

Table or 19-inch rack (6U) mount

CONNECTIONS

DMX in:	5-pin locking XLR
DMX out:	3-pin and 5-pin locking XLR
MIDI in/out/thru:	Standard MIDI (5-pin DIN)
Audio trigger signal in:	6.3mm (1/4-inch) mono jack
Audio trigger signal level:	Line level
PC/uploader:	USB
Desk lamp:	USB
I 2 C expansion port:	5-pin DIN
AC power input:	3-pin IEC

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz

APPROVALS

US safety:	UL 6500
Canadian safety:	CAN/CSA E60065-00
EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2
CB Approval:	IEC 60065

INCLUDED ITEMS

Presentation/Training DVD:	P/N 39300000
Installation CD:	P/N 39201500
Gooseneck lamp with USB connector:	P/N 06220003
1.5 m power cable, 3-pin IEC:	P/N 11501012
5 m data cable, 3-pin XLR:	P/N 11820008
DMX termination plug, male XLR:	P/N 91613017

ORDERING INFORMATION

Xciter Controller, 90-250 V:	P/N 90736000

LIGHT FOX™

Light Fox is an easy-to-use, wall-mounted, playback controller optimized for Martin's range of Cyclo and Stagebar luminaires but capable of controlling all types of RGBW fixtures. Easy to install, up to 20 static or dynamic presets can be recalled for simple and quick atmosphere adjustments. Light intensity is also adjustable for instant mood manipulation.

Features

- Simple, inexpensive interface to dynamic light
- Easy scene-setting control with adjustable intensity
- Select between 20 pre-programmed static colors or dynamic color-changing scenes
- Specially prepared for use with fluorescent Cyclos and LED Stagebars
- Attractive design with matt white finish
- Back-lit ON/OFF button for easy identification in the dark
- Integrates easily into architecture with wall-mounting bracket
- Power over Ethernet (POE) power supply included
- Infrared sensor
- Plug-and-play configuration: controls 8 groups (maximum 512 channels)

Specifications

PHYSICAL

Length:	70 mm (2.8 in.)
Width:	100 mm (3.9 in.)
Height:	30 mm (1.2 in.)
Weight:	190 g

CONTROL/USER INTERFACE

Backlit control panel with backlit button symbols and 2-digit LED display
On/off button
Preset up/down buttons
Present intensity up/down buttons

PLAYBACK

Number of fixture groups:	8
Number of pre-programmed presets (all with variable intensity):	20
Scene types:	Static and dynamic
Pre-programmed luminaire types:	Presets optimized for Martin Cyclo and StageBar, all types of RGBW color-mixing luminaires
Playback triggering options:	IR wireless, RC5, Macintosh, NEC

CONSTRUCTION

Housing:	Aluminum
Finish:	Clear anodized
Front display/control surface:	White acrylic, built-in infrared sensor

INSTALLATION

Control interface unit:	Wall-mount on supplied bracket, concealed cables
External power supply unit:	Surface-mount

CONNECTIONS

Control interface unit

Communication with PC:	USB
DMX and POE in, out/thru:	2 x RJ45

Up to 4 control interface units daisy-chainable
External power supply unit

DMX in/thru, POE out:	2 x RJ45
AC power input:	1.5 m (4.9 ft.) UL-approved power cable

ELECTRICAL

AC power:	Auto-ranging 100 - 240 VAC nominal, 50/60 Hz, to external PSU
Typical current:	0.4 A
Output voltage:	48 V DC via POE from external PSU

APPROVALS

EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3
External power supply unit:	CE, UL (C + US), FCC, GS, CCC

INCLUDED ITEMS

Control interface unit
IEEE 802.3af (POE) compliant external PSU
UTP network & POE power supply cable
USB cable
User documentation

ORDERING INFORMATION

Light Fox Controller:	P/N 90734540

MARTIN SHOWDESIGNER™

Martin ShowDesigner (MSD) is a unique and user-friendly lighting and set design software package, brilliant for developing realistic 3-D lighting simulations. Invaluable as a high quality production or sales presentation tool, MSD allows you to create realistic set and lighting design renderings using reflection, transparency, lighting, shadow and smoke.

Features

- Available in Gold and Silver versions
- 3D Modeler allows import of 2D and 3D DXF files
- Ray-tracing including shadows, reflections, transparency, smoke
- Fixture library contains most manufacturers' fixtures, musical instruments, stage props and surfaces
- Photometric calculations
- Connects to any DMX controller for offline programming
- Paperwork module saves time on rigging plans and fixture lists
- Real time 3D visualizer with solid beam representation (Gold version only)
- Net-Render server/client tool cuts rendering time dramatically (Gold version only)
- Real time video input to simulate video screens (Gold version only)
- Gobo editor lets you create your own gobos for use inside ShowDesigner (Gold version only)

Specifications

CONTROL AND PROGRAMMING

Control of all fixture parameters
Programming and storage of cues
Cues contain basic timing and link information
User-customizable fixture libraries (complete range of Martin and other fixture definitions included)
User-customizable object libraries
Free fixture and objects library updates
Fixtures automatically patched to free DMX address
Paperwork utility prints plot and equipment list
Solid rendering of scenes
Texture editor

Features below available in GOLD version only
Real-time solid beam 3D Visualizer, uses DMX or video input to give visualization of following effects
Live video input for screen, static and moving video projector simulation
Pan/tilt of beams, indexed and rotating gobos, iris effects, color wheels, CMY color mixing, shutter/dimmer/strobe, zoom, color scrolling, framing system
Gobo editor
Cuelist for direct playback
DMX viewer monitors inbound and outbound data
Photo-realistic rendering
IES to MSD fixture profile converter
Light meter tool calculates light level on surface

PLAYBACK

Show preview using simple playback
Offline program for real-time monitoring of 3D light setup

MINIMUM SYSTEM REQUIREMENTS

Windows 95/98/ME/2000/XP*
Pentium II CPU
32 MB RAM
200 MB available hard disk space
SVGA card, high (16-bit) color, 1024x768 resolution
CD-ROM drive
USB 1.1 (or higher) port for HASP dongle
USB 1.1 (or higher) port if Martin Universal USB/DMX Interface is used
Network card required for communication with other controller or Ethernet box via LAN (Artnet [MAXXYZ], Compulite, Avolite)
Full administrator rights on PC
**Windows Vista not currently supported*

RECOMMENDED

Windows XP*
Pentium 4 or equivalent, fast processor for faster intensive rendering
512+ MB RAM
500 MB available hard disk space
SVGA card, true (24-bit) color, minimum 1024x768 resolution, hardware accelerated, 64 MB VRAM, DirectX support
CD-ROM drive
USB 1.1 (or higher) port for HASP dongle
USB 1.1 (or higher) port if Martin Universal USB/DMX Interface is used
Network card required for communication with other controller or Ethernet box via LAN (Artnet [MAXXYZ], Compulite, Avolite)
Full administrator rights on PC

CONNECTIONS

Connects to any controller that has DMX input (Martin Universal USB/DMX Interface required)
Connects to other controller or Ethernet box via LAN (Maxxyz via ARTnet, Compulite, Avolite)
Connects to various applications using internal driver (Martin LightJockey, Martin Proscenium, HogPC, Sandnet, Horizon...)
Fast Net Render (GOLD only) allows networked rendering across multiple Windows-based PCs

ENVIRONMENT

ArtNet compatible DMX distribution
Supports Martin Universal USB/DMX Interface
Compatible with Maxxyz and Maxxyz PC
DXF 2D and 3D file import

INCLUDED ITEMS

Martin ShowDesigner software package CD
Martin ShowDesigner USB HASP dongle
Installation instructions
Quick Start guide

ORDERING INFORMATION

Martin ShowDesigner GOLD software pack with USB HASP dongle:	P/N 90756030
Martin ShowDesigner SILVER software pack with USB HASP dongle:	P/N 90756012
Martin ShowDesigner Update from SILVER to GOLD:	P/N 90756014

New MSD version 5 coming soon featuring an amazing new real-time rendering 3D engine

MUM™

MUM (Multi Utility Manager) is a handy software configurator for outdoor products, such as the Exterior 600, 200 and the FiberSource CMY150. It automatically recognizes supported fixtures.

Features

- Windows based configurator with graphical interface for stand-alone programming
- Two-way point-to-point communication
- Read and change address, real-time clock, light level, stand alone settings and more
- Easy-to-understand failure messages
- Recognizes connected fixture automatically - no need for set up
- Backup library of stand-alone programmes on PC
- Includes DABS 1 interface

Specifications

CONTROL AND PROGRAMMING

Supports wide range of Martin Architectural luminaires
Automatic luminaire recognition
Two-way communication with luminaire
Stores and uploads luminaire settings
Downloads luminaire information and diagnostic messages
Stand-alone show programming
Synchronized (master/slave) operation setup
DMX address setting
Intuitive graphic user interface
Free MUM software updates available from Martin website
Included DABS 1 interface can also be used for complete luminaire software uploads

MINIMUM SYSTEM REQUIREMENTS

Windows 98/ME/2000/XP*
Pentium II CPU
64 MB RAM (128 MB recommended)
30 MB available hard disk space
CD-ROM drive
USB 1.1 (or higher) port for DABS 1 hardware interface
Laptop required for mobility at installation site
**Windows Vista not currently supported*

INCLUDED ITEMS

Installation CD:	P/N 39200006
DABS 1 USB PC/fixture hardware interface:	P/N 55758090
DMX termination plug, male XLR:	P/N 91613017
USB cable (A/B), 1000 mm:	P/N 11840066
XLR 3-pin male to RJ-45 adapter:	P/N 11840087

ORDERING INFORMATION

MUM - Multi Utility Manager incl. DABS1 PC/Fixture Interface Device:	P/N 90758090

ETHERNET SWITCH™

The Martin Ethernet switch is designed to allow full logistic capability within large lighting control systems featuring multiple control consoles and increased numbers of DMX universes.

Specifications

PHYSICAL

Length:	482 mm (19.0 in.)
Width:	110 mm (4.3 in.)
Height:	45 mm (1.8 in.)
Weight:	1.4 kg (3.1 lbs.)

PERFORMANCE

Full speed input and transmission of Ethernet frames
Maximum frame length: 1536 bytes
Automatic 10 Mb or 100 Mb device detection
Automatic half and full duplex mode switching
Automatic detection of straight or crossover connections, automatic port configuration

CONTROL/USER INTERFACE

8 x 3 LED matrix displays 10Mb activity, 100Mb activity and collision for each port

CONSTRUCTION

Housing:	Steel and aluminum
Finish:	Electrostatic powder-coated

INSTALLATION

19-inch rack mount (1U)

CONNECTIONS

8 x 10/100 base-T ethernet ports:	Neutrik locking RJ45 Ethercon sockets
AC power input:	3-pin IEC

ELECTRICAL

AC power:	Auto-ranging 100 - 240 VAC nominal, 50/60 Hz

APPROVALS

US safety:	UL 60950
EU safety:	EN 60950
EU EMC:	EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-3

INCLUDED ITEMS

5 m Ethernet cable, straight, Neutrik NE8MC protected RJ-45 connectors, UL/IEC approved:	P/N 91611100

ORDERING INFORMATION

Ethernet Switch:	P/N 90758110

UNIVERSAL USB/DMX INTERFACE™

The Universal USB/DMX Interface features XLR 5P female connectors and provides 2 DMX 512 universes from any USB enabled windows based PC. It communicates with Martin Lightjockey, Maxxyz Controller Series, Maxedia Media Server Series, MSD, as well as Martin fixture software uploaders (not compatible with MUM software).

Features

- Plug and play solution: comes complete with XLR adapters, USB cable and installation notes
- 2 DMX universes configurable for in/out
- Convenient, space-saving stackable design
- Easily mounts to surfaces and walls
- DMX 512-A (RDM ready)
- Upload of fixture software files (MU3)

Specifications

CONTROL/USER INTERFACE	
Configuration and management:	Application (e.g. LightJockey, Maxxyz PC, Maxedia)
Device status:	3 x red/orange/green LEDs
CONNECTIONS	
DMX data:	2 x 5-pin locking XLR, both configurable for DMX in/out
PC/controller:	USB
ELECTRICAL	
USB-powered	
INCLUDED ITEMS	
3 m USB cable	
2 x 5-pin male to 3-pin female XLR adapters	
1 x 5-pin male to 5-pin male XLR adapter	
CD with drivers and installation/user documentation	
ORDERING INFORMATION	
Universal USB-DMX Interface Box:	P/N 90702045

DMX SWITCHPACK™

This DMX-controlled switching device allows you to turn on and off up to six 350 watt devices.

Features

- DMX controllable 6 output relay interface
- DMX control of Par Cans, pin spots, DJ products
- Each output can be loaded maximum 350 watt
- I.E.C male connectors included (EU-version)
- Robust construction for trouble-free use

Specifications

PHYSICAL	
Length:	250 mm (9.8 in.)
Width:	150 mm (5.9 in.)
Height:	71 mm (2.8 in.)
CONTROL AND PROGRAMMING	
Protocol:	DMX512
DMX channels:	6
Data input/output:	3-pin XLR male/3-pin XLR female
ELECTRICAL	
AC power:	100-130/210-245 V, 50/60 Hz
AC input:	Fixed cable
Maximum total power consumption:	2200 W
Maximum power per channel:	350 W
Power output:	6 x grounded IEC female
Power output:	6 x grounded Edison female
APPROVALS	
EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2
ORDERING INFORMATION	
DMX Switchpack:	P/N 90758200

RS-485 OPTOSPLITTER™

This optically isolated splitter amplifier allows you to add 4 branches to the data link for safe and trouble-free operation of larger DMX installations.

Features

- 4 Optically isolated and amplified DMX outputs
- Amplification allows the link to be extended over the maximum length specified by the DMX-512 standard
- Several splitter amplifiers may be used on the same link if additional branches are required
- Each branch of the link may be treated as an independent link with up to 32 fixtures each
- Robust construction for trouble-free use

Specifications

PHYSICAL	
Length:	293 mm (11.5 in.)
Width:	108 mm (4.3 in.)
Height:	49 mm (1.9 in.)
Weight:	1.4 kg (3.1 lbs.)
CONSTRUCTION	
Housing:	Steel
Finish:	Electrostatic powder-coated
Color(s):	Black
CONNECTIONS	
Input:	3-pin XLR male
Throughput (output with no amplification):	3-pin XLR female
Outputs (amplified and optically isolated):	4 x 3-pin XLR female
ELECTRICAL	
AC power:	115/230 V, 50/60 Hz, switch-selectable
APPROVALS	
EU safety:	EN 60950
EU EMC:	EN 55103-1, EN 55103-2
ORDERING INFORMATION	
RS-485 Optosplitter:	P/N 90758060

DABS1™

The DABS 1 interface is a handy tool for uploading fixture software from a PC base using MUM software.

Features

- Upload fixture software directly from your computer
- Compatible with Windows-based PCs and laptops (Windows 2000 and XP)
- Small and lightweight go anywhere solution
- 3 pin XLR connection to serial link

Specifications

PHYSICAL	
Length:	100 mm (3.9 in.)
Width:	40 mm (1.6 in.)
Height:	40 mm (1.6 in.)
Weight:	300 g (10.6 oz.)
CONSTRUCTION	
Housing:	Steel
Color(s):	Gray
Finish:	Electrostatic powder-coated
CONNECTIONS	
PC running MUM or Martin Software Uploader applications:	USB
Data in/out:	3-pin locking XLR
INCLUDED ITEMS	
DMX termination plug, male XLR:	P/N 91613017
USB cable (A/B), 1000 mm:	P/N 11840066
Installation instructions:	P/N 35000149
ORDERING INFORMATION	
MUM - Multi Utility Manager incl. DABS1 PC/Fixture Interface Device:	P/N 90758090

ARCHITECTURAL

EXTERIOR 1200 WASH™

EXTERIOR 1200 IMAGE PROJECTOR™

EXTERIOR 600™

EXTERIOR 200™

EXTERIOR 200 LED™

INGROUND 200™

CYCLO IP65 DIRECTIONAL™

CYCLO IP65 SERIES™

CYCLO SERIES™

CYCLO DIRECTIONAL™

ALIEN 05 RECESSED™

ALIEN 05 STEM MOUNT™

ALIEN 02 SPOT™

ALIEN 02 PENDANT™

FIBERSOURCE B150™

FIBERSOURCE QFX150™

FIBERSOURCE CMY150™

EXTERIOR 1200 WASH™

The Exterior 1200 series is a range of 1200 W luminaires designed for spectacular illumination of high-rise structures, bridges and landmark architecture.

Features

- 1200 W metal halide lamp
- CMY color mixing system
- Dynamic zoom for variable beam angles: 8°- 16° / 12°- 26°
- Choice of optical systems: narrow, medium, wide or very wide
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Weatherproof rating: IP65
- DMX, stand-alone, synchronized (master/slave)
- On-board address setting: no extra devices required

Specifications

PHYSICAL

Length:	860 mm (33.9 in.)
Width:	448 mm (17.6 in.)
Height:	620 mm (24.4 in.)
Weight:	68 kg (149.9 lbs.)
Effective Projected Area (EPA):	0.6 m^2

LAMP

Type:	1200 W metal halide
Fitted as standard:	Philips MSD 1200
Socket:	G22
Control:	Automatic and/or remote on/off

DYNAMIC EFFECTS

Color mixing:	CMY
Cyan:	0 - 100%
Magenta:	0 - 100%
Yellow:	0 - 100%
Color wheel:	Red, green, blue, CTC (as standard) + open positions
Dimmer:	0 - 100%
Zoom:	8°- 16° / 12°- 26°

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	8
Stand-alone trigger options:	Internal timer and/or ambient light level
Stand-alone memory:	20 scenes
DMX address setting:	MUM, onboard control panel
Stand-alone programming:	MUM, onboard control panel
Protocol:	USITT DMX512-A
Receiver:	RS-485

CONSTRUCTION

Housing:	Aluminum
Finish:	Electrostatic powder-coated
Color:	Light grey (RAL 9006)
Front glass:	6 mm (0.2 in.) anti-reflection coated
Protection rating:	UL wet location, main enclosure designed to IP65

INSTALLATION

Orientation:	Any (air intake must face down)
Vertical aiming:	+/- 90°

ELECTRICAL

AC power:	200/208/220/230/240/250/277 V nominal, 50/60 Hz
Ballast:	Magnetic

THERMAL

Maximum ambient temperature (Ta max.):	45° C (113° F)
Minimum ambient temperature (Ta min.):	-20° C (-4° F),power must be maintained below 0° C (32° F)
Maximum surface temperature, steady state, Ta=45° C:	70° C (158° F)
Total heat dissipation (calculated, +/- 10%):	4950 BTU/hr.
Cooling:	Forced air, integrated air/air heat exchanger, IP65 barrier

APPROVALS

US safety:	UL 1598
Canadian safety:	CSA C22.2 No. 250.0-00
EU safety:	EN 60598-1, EN 61347-1
EU EMC:	EN 55 015, EN 55 103-1, EN 61 000-3

INCLUDED ITEMS

Philips MSD 1200 lamp:	P/N 97010313

ACCESSORIES

Beamshaper lens:	P/N 91610081
Narrow-angle lens kit:	P/N 91610088
Medium-angle lens kit:	P/N 91610089
Wide-angle lens kit:	P/N 91610090
Very wide-angle lens kit:	P/N 91610091
Permanent CTC kit:	P/N 91611258
Snoot/barndoor kit:	P/N 91611257
Dichroic color filters (install in color wheel)	

ORDERING INFORMATION

Exterior 1200 Wash, Narrow:	P/N 90504010
Exterior 1200 Wash, Medium:	P/N 90504020
Exterior 1200 Wash, Wide:	P/N 90504030
Exterior 1200 Wash, Very Wide:	P/N 90504040

EXTERIOR 1200 IMAGE PROJECTOR™

The Exterior 1200 Image Projector is a powerful 1200 W luminaire designed for projecting animated images and effects onto structures and landmark architecture.

Features

- 1200 W metal halide lamp
- CMY color mixing system
- Color wheel with primary colors red, green and blue
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Choice of narrow, medium or wide beam options
- Dynamic zoom for variable beam angles: 11°- 17° / 17°- 34° / 30°- 48°
- Motorized zoom and focus
- 4 D-size gobo slots for projecting graphic images
- Gobo animation system for creating animated lighting effects
- Weatherproof rating: IP65
- DMX, stand-alone, synchronized (master/slave)
- On-board address setting: no extra devices required

Specifications

PHYSICAL	
Length:	1006 mm (39.6 in.)
Width:	448 mm (17.6 in.)
Height:	620 mm (24.4 in.)
Weight:	90 kg (198.4 lbs.)
Effective Projected Area (EPA):	0.8 m^2
LAMP	
Type:	1200 W metal halide
Fitted as standard:	Philips MSD 1200
Socket:	G22
Control:	Automatic and/or remote on/off
DYNAMIC EFFECTS	
Color mixing:	CMY
Cyan:	0 - 100%
Magenta:	0 - 100%
Yellow:	0 - 100%
Color wheel:	4 slots for interchangeable filters
Rotating gobo wheel:	4 interchangeable gobo positions (one required for open), gobo indexing, continuous gobo rotation
Gobo animation:	Interchangeable animation wheel, indexing, continuous rotation with variable angle, speed and direction
Mechanical dimmer/shutter:	0 - 100% variable dimming, instant open and blackout
Focus:	3 m (9.8 ft.) to infinity
Zoom:	Narrow 11° - 17°, Medium 17° - 34°, Wide 30° - 48°
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	17
DMX address setting:	MUM, onboard control panel
16-bit control:	Mechanical dimmer, rotating gobo indexing/speed, focus, zoom
Stand-alone trigger options:	Internal timer and/or ambient light level
Stand-alone memory:	20 scenes
CONSTRUCTION	
Housing:	Aluminum
Finish:	Electrostatic powder-coated
Color:	Light grey (RAL 9006)
Front glass:	6 mm (0.2 in.) anti-reflection coated
Color wheel filters:	1.2 mm (0.05 in.), dichroic, hexangular
Protection rating:	UL wet location, main enclosure designed to IP65
GOBOS	
Material:	Metal or glass
Size:	D
Outside diameter:	53.3 mm (2.1 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter:	48 mm (1.9 in.)
Maximum thickness:	3 mm (0.1 in.)
Image orientation:	True from lamp side
INSTALLATION	
Orientation:	Any (air intake must face down)
Vertical aiming:	+/- 90°
ELECTRICAL	
AC power:	200/208/220/230/240/250/277 V nominal, 50/60 Hz
Ballast:	Magnetic
THERMAL	
Cooling:	Forced air, integrated air/air heat exchanger, IP65 barrier
Maximum ambient temperature (Ta max.):	45° C (113° F)
Minimum ambient temperature (Ta min.):	-20° C (-4° F), power must be maintained below 0° C (32° F)
Maximum surface temperature, steady state, Ta=45° C:	70° C (158° F)
Total heat dissipation (calculated, +/- 10%):	4950 BTU/hr.
APPROVALS	
US safety:	UL 1598
Canadian safety:	CSA C22.2 No. 250.0-04
EU safety:	EN 60598-1, EN 61347-1
EU EMC:	EN 55 015, EN 55 103-1, EN 61 000-3
ACCESSORIES	
Narrow-angle lens kit	P/N 91610083
Medium-angle lens kit	P/N 91610084
Wide-angle lens kit	P/N 91610085
Permanent 5500 - 4200 K CTC kit	P/N 91611273
Permanent 5500 - 3400 K CTC kit	P/N 91611272
Snoot/barndoor kit	P/N 91611264
Beamshaper lens	P/N 91610082
ORDERING INFORMATION	
Exterior 1200 Image Projector, Narrow	P/N 90504065
Exterior 1200 Image Projector, Medium	P/N 90504075
Exterior 1200 Image Projector, Wide	P/N 90504085

EXTERIOR 600™

The Exterior 600 is the leading 575 W intelligent luminaire, designed for dynamic and creative illumination of the built and natural environments.

Features

- 575 W metal halide lamp
- CMY color mixing system
- Dynamic zoom for variable beam angles: 9°-12° / 11°-27°
- Choice of optical systems: very narrow, narrow, medium, wide or very wide
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Ellipsoidal beam shaping and frost filter options
- Weatherproof rating: IP65
- DMX, stand-alone, synchronized (master/slave)
- On-board light sensor

Specifications

PHYSICAL	
Length:	636 mm (25.0 in.)
Width:	375 mm (14.8 in.)
Height:	421 mm (16.6 in.)
Weight:	48 kg (105.8 lbs.)

LAMP	
Type:	575 W metal halide
Approved lamps:	Philips MSD 575, Osram HSD 575/60
Socket:	GX 9.5
Control:	Automatic and/or remote on/off

DYNAMIC EFFECTS	
Color mixing:	CMY
Cyan:	0 - 100%
Magenta:	0 - 100%
Yellow:	0 - 100%
Color wheel:	Red, green, blue, CTC (as standard) + open positions
Dimmer:	0 - 100%
Shutter:	Strobe effect variable up to 8 Hz
Frost:	On/off
Zoom:	9°- 12° / 11°- 27°
Beamshaper:	+/- 45° from vertical

CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	8/9
Stand-alone trigger options:	Internal timer and/or ambient light level
Stand-alone memory:	20 scenes
DMX address setting:	MUM
Stand-alone and master/slave programming:	MUM
Protocol:	USITT DMX512/1990
Receiver:	RS-485

CONSTRUCTION	
Housing:	Aluminum
Finish:	Clear anodized
Mounting bracket:	6 mm (0.2 in.) stainless steel
Front glass:	6 mm (0.2 in.) anti-reflection coated (except VN and VW models)
Protection rating:	IP 65

INSTALLATION	
Orientation:	Any
Horizontal aiming:	+/- 25°
Vertical aiming (pedestal mounted):	+/- 40°

ELECTRICAL	
AC power:	208 V, 60 Hz / 230 V, 50 Hz / 245 V, 50 Hz / 277 V, 60 Hz

THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Minimum ambient temperature (Ta min.):	-20° C (-4° F), power must be maintained below 0° C (32° F)
Maximum surface temperature, steady state, Ta=40° C:	80° C (176° F)
Cooling:	Convection

APPROVALS	
US safety:	UL 1573, 4th Edition
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-2-3, EN 60598-2-5
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

INCLUDED ITEMS	
Philips MSD 575 lamp:	P/N 97010202

ACCESSORIES	
Elliptical beamshaper (for use with VN model only, gives 12° x 22° half-peak angle):	P/N 91610028
Permanent 5500 - 4200 K CTC kit:	P/N 91611036
Snoot/barndoor kit:	P/N 91611029
Extensions to Snoot/barndoor kit:	P/N 91611030
Safety eyebolt:	P/N 91611239

ORDERING INFORMATION	
Exterior 600, VN, 208 V, 60 Hz:	P/N 90505024
Exterior 600, VN, 230 V, 50 Hz:	P/N 90505020
Exterior 600, VN, 245 V, 50 Hz:	P/N 90505022
Exterior 600, VN, 277 V, 60 Hz:	P/N 90505026
Exterior 600, N, 208 V, 60 Hz:	P/N 90505044
Exterior 600, N, 230 V, 50 Hz:	P/N 90505040
Exterior 600, N, 245 V, 50 Hz:	P/N 90505042
Exterior 600, N, 277 V, 60 Hz:	P/N 90505046
Exterior 600, M, 208 V, 60 Hz:	P/N 90505004
Exterior 600, M, 230 V, 50 Hz:	P/N 90505000
Exterior 600, M, 245 V, 50 Hz:	P/N 90505002
Exterior 600, M, 277 V, 60 Hz:	P/N 90505006
Exterior 600, W, 208 V, 60 Hz:	P/N 90505064
Exterior 600, W, 230 V, 50 Hz:	P/N 90505060
Exterior 600, W, 245 V, 50 Hz:	P/N 90505062
Exterior 600, W, 277 V, 60 Hz:	P/N 90505066
Exterior 600, VW, 208 V, 60 Hz:	P/N 90505084
Exterior 600, VW, 230 V, 50 Hz:	P/N 90505080
Exterior 600, VW, 245 V, 50 Hz:	P/N 90505082
Exterior 600, VW, 277 V, 60 Hz:	P/N 90505086

VN = Very Narrow, N = Narrow, M = Medium, W = Wide, VW = Very Wide

EXTERIOR 200™

The Exterior 200 series is a range of programmable 150 W luminaires weatherproofed for dynamic illumination of facades, structures, water features and monuments.

Features

- 150 W metal halide lamp
- CMY color mixing system
- Choice of optical systems: very narrow, narrow, medium, wide or very wide
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Weatherproof rating: IP65
- Extensive range of optical accessories
- Ellipsoidal beam shaping options
- DMX, stand-alone, synchronized (master/slave)
- On-board light sensor

Specifications

PHYSICAL	
Length:	301 mm (11.9 in.)
Width:	310 mm (12.2 in.)
Height:	402 mm (15.8 in.)
Weight:	15 kg (33.1 lbs.)
Length (VN and N models):	431 mm (17.0 in.)
Width (VN and N models):	310 mm (12.2 in.)
Height (VN and N models):	402 mm (15.8 in.)
Weight (VN and N models):	16.6 kg (36.6 lbs.)
LAMP	
Type:	150 W metal halide
Approved lamps:	Philips CDM-SA/T 150, GE CMH 150, Osram HSD 150/70
Socket:	G12
Control:	Automatic and/or remote on/off
DYNAMIC EFFECTS	
Color mixing:	CMY
Cyan:	0 - 100%
Magenta:	0 - 100%
Yellow:	0 - 100%
Dimmer:	0 - 100%
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	7
Stand-alone trigger options:	Internal timer and/or ambient light level
Stand-alone memory:	20 scenes
DMX address setting:	MUM
Stand-alone and master/slave programming:	MUM
CONSTRUCTION	
Housing:	Aluminum
Finish:	Clear anodized
Mounting bracket:	8 mm (0.3 in.) anodized aluminum
Front glass:	6 mm (0.2 in.) anti-reflection coated
Protection rating:	IP 65
INSTALLATION	
Orientation:	Any
Horizontal aiming:	90°
Vertical aiming:	330°
Minimum distance to combustible materials:	1 m (3.3 ft.)
Minimum distance to illuminated surfaces:	0.5 m (1.6 ft.)
ELECTRICAL	
AC power:	208 V, 60 Hz / 230 V, 50 Hz / 245 V, 50 Hz / 277 V, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Minimum ambient temperature (Ta min.):	-20° C (-4° F), power must be maintained below 0° C (32° F)
Maximum surface temperature, steady state, Ta=40° C:	90° C (194° F)
Cooling:	Convection
APPROVALS	
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
EU safety:	EN 60598-2-3, EN 60598-2-5
US safety:	UL 1573, 4th Edition
Canadian safety:	CSA C22.2 No. 166
ACCESSORIES	
Elliptical beamshaper kit for PC lens installed in VN models (gives 8° x 16° half-peak angle):	P/N 91610028
Elliptical beamshaper lens (gives 41° x 46° half-peak angle):	P/N 91610023
Snoot/barndoor kit:	P/N 91611031
Snoot/barndoor extensions kit:	P/N 91611032
Safety eyebolt:	P/N 91611239
ORDERING INFORMATION	
Exterior 200 CMY, VN, 208 V, 60 Hz:	P/N 90509024
Exterior 200 CMY, VN, 230 V, 50 Hz:	P/N 90509020
Exterior 200 CMY, VN, 245 V, 50 Hz:	P/N 90509022
Exterior 200 CMY, VN, 277 V, 60 Hz:	P/N 90509026
Exterior 200 CMY, N, 208 V, 60 Hz:	P/N 90509044
Exterior 200 CMY, N, 230 V, 50 Hz:	P/N 90509040
Exterior 200 CMY, N, 245 V, 50 Hz:	P/N 90509042
Exterior 200 CMY, N, 277 V, 60 Hz:	P/N 90509046
Exterior 200 CMY, M, 208 V, 60 Hz:	P/N 90509048
Exterior 200 CMY, M, 230 V, 50 Hz:	P/N 90509045
Exterior 200 CMY, M, 245 V, 50 Hz:	P/N 90509047
Exterior 200 CMY, M, 277 V, 60 Hz:	P/N 90509043
Exterior 200 CMY, W 38°, 208 V, 60 Hz:	P/N 90509004
Exterior 200 CMY, W 38°, 230 V, 50 Hz:	P/N 90509000
Exterior 200 CMY, W 38°, 245 V, 50 Hz:	P/N 90509002
Exterior 200 CMY, W 38°, 277 V, 60 Hz:	P/N 90509005
Exterior 200 CMY, W 42°, 208 V, 60 Hz :	P/N 90509011
Exterior 200 CMY, W 42°, 230 V, 50 Hz:	P/N 90509009
Exterior 200 CMY, W 42°, 245 V, 50 Hz:	P/N 90509010
Exterior 200 CMY, W 42°, 277 V, 60 Hz:	P/N 90509003
Exterior 200 CMY, VW, 208 V, 60 Hz:	P/N 90509084
Exterior 200 CMY, VW, 230 V, 50 Hz:	P/N 90509080
Exterior 200 CMY, VW, 245 V, 50 Hz:	P/N 90509082
Exterior 200 CMY, VW, 277 V, 60 Hz:	P/N 90509086

VN = Very Narrow (Long Barrel), N = Narrow (Long Barrel), M = Medium, W = Wide, VW = Very Wide

EXTERIOR 200 LED™

The Exterior 200 LED is a long-life programmable luminaire offering full RGB + Amber and White color mixing. Weatherproofed for outdoor use, it features 44 high power LEDs and a choice of lens options.

Features

- 44 high power LEDs in 5 colors: Red, Green, Blue, Amber and white
- RGBAW color mixing, broader range of colors
- Choice of narrow, medium or wide beam options
- High optical performance: uniform distribution of light and color
- 0-100% intensity control
- Weatherproof rating: IP65
- DMX, stand-alone, synchronized (master/slave)
- Choice of DMX control modes: RGB, RGBAW, HSI, HSIC

Specifications

PHYSICAL

Length:	169 mm (6.7 in.) including cable gland
Width:	307 mm (12.1 in.)
Height:	401 mm (15.8 in.)
Weight:	7.6 kg (16.8 lbs.) including bracket

DYNAMIC EFFECTS

Color mixing:	RGBAW
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%
Amber:	0 - 100%
White:	0 - 100%

CONTROL AND PROGRAMMING

Color control modes:	RGBAW, RGB, HSI, HSIC
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	3, 4 or 5
DMX address setting:	PC with Martin MUM software and DABS1 hardware interface
Stand-alone trigger options:	Internal timer and/or ambient light level
Stand-alone and master/slave programming:	PC with Martin MUM software and DABS1 hardware interface
26-bit control (internal):	RGBAW, RGB, HSI, HSIC
Protocol:	USITT DMX512-A
Receiver:	RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color:	Clear anodized, white, custom colors to special order
Housing:	Anodized aluminum
Mounting bracket:	8 mm (0.3 in.) anodized aluminum
Front glass:	6 mm (0.2 in.) anti-reflection coated
Protection rating:	IP65

INSTALLATION

Orientation:	Any
Vertical aiming:	330°
Minimum distance to illuminated surfaces:	0.1 m (0.3 ft.)

ELECTRICAL

AC power:	100-240 V nominal, 50/60 Hz
Typical power consumption (at 100 V, 50/60 Hz):	139 W
Power supply unit:	Integrated, auto-sensing multi-voltage
Main fuse:	2.5 AT (slow blow)

THERMAL

Cooling:	Convection
Maximum ambient temperature (Ta max.):	45° C (113° F)
Minimum ambient temperature (Ta min.):	-30° C (-22° F)
Maximum surface temperature, steady state, Ta=40° C:	90° C (194° F)
Total heat dissipation (calculated, +/- 10%):	860 BTU/hr.

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-1, IEC/EN 60825-1
EU EMC:	EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3
US safety (US model):	UL 1598
Canadian safety (US model):	CAN/CSA C.22.2 No. 250

INCLUDED ITEMS

Adjustable mounting yoke
Diffuser (installed) depending on model

ACCESSORIES

Narrow beam angle kit (diffuser sheet):	P/N 41600110
Medium beam angle kit (diffuser sheet):	P/N 41600111
Wide beam angle kit (diffuser sheet):	P/N 41600112
Exterior 200 floor stand:	P/N 91611305
Safety eyebolt:	P/N 91611239
3-pin male XLR connector, cable-type, IP65:	P/N 91611306
3-pin female XLR connector, cable-type, IP65:	P/N 91611307

ORDERING INFORMATION

Exterior 200 LED, Aluminum, EU model, Narrow:	P/N 90545000
Exterior 200 LED, Aluminum, EU model, Medium:	P/N 90545010
Exterior 200 LED, Aluminum, EU model, Wide:	P/N 90545020
Exterior 200 LED, Aluminum, EU model, no diffuser:	P/N 90545040
Exterior 200 LED, Aluminum, US model, Narrow:	P/N 90545100
Exterior 200 LED, Aluminum, US model, Medium:	P/N 90545110
Exterior 200 LED, Aluminum, US model, Wide:	P/N 90545120
Exterior 200 LED, Aluminum, US model, no diffuser:	P/N 90545140
Exterior 200 LED, White, EU model, Narrow:	P/N 90545002
Exterior 200 LED, White, EU model, Medium:	P/N 90545012
Exterior 200 LED, White, EU model, Wide.	P/N 90545022
Exterior 200 LED, White, EU model, no diffuser:	P/N 90545042
Exterior 200 LED, White, US model, Narrow:	P/N 90545102
Exterior 200 LED, White, US model, Medium:	P/N 90545112
Exterior 200 LED, White, US model, Wide:	P/N 90545122
Exterior 200 LED, White, US model, no diffuser:	P/N 90545142

INGROUND 200™

The Inground 200 series offers the benefits of dynamic light and discreet buried installation combined in a simple, easy-to-use system of programmable 150 W luminaires.

Features

- 150 W metal halide lamp
- Choice of 3 color systems: Single-color, 6-color or full spectrum CMY
- Choice of optical systems: medium, wide, very wide or wallwash
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Weatherproof rating: IP65 and IP67
- Full drive-over capability
- Low surface temperature for installation in pedestrian areas
- Extensive range of optical accessories
- DMX, stand-alone, synchronized (master/slave)

Specifications

PHYSICAL

Height:	496 mm (19.5 in.)
Trim ring outer diameter:	340 mm (13.4 in.)
Trim ring thickness:	7 mm (0.3 in.)
Housing top flange outer Ø:	310 mm (12.2 in.)
Weight:	20 kg (44.1 lbs.)
Weight resistance (in installation sleeve with stable groundwork):	5000 kg (11,023.1 lbs.)
Front glass weight resistance (load from pneumatic tire):	5000 kg (11,023.1 lbs.)

Installation Sleeve

Installation sleeve height:	600 mm (23.6 in.)
Installation sleeve tube external Ø:	334 mm (13.1 in.)
Installation sleeve base flange external Ø:	416 mm (16.4 in.)

LAMP

Type:	150 W metal halide
Approved lamps:	Philips CDM SA/T 150 W/942, Philips CDM-T 150 W/830, Osram HCI-T 150 W/WDL, Osram HCI-T 150 W/NDL
Socket:	G12
Control:	Automatic and/or remote on/off

DYNAMIC EFFECTS (INGROUND 200 CMY)

Color mixing:	CMY
Cyan:	0 - 100%
Magenta:	0 - 100%
Yellow:	0 - 100%
Dimmer:	0 - 100%

DYNAMIC EFFECTS (INGROUND 200 SIX COLOR)

Color wheel:	Six colors - red, orange, yellow, green, blue (as standard) + white (open)
Dimmer:	0 - 100%

CONTROL AND PROGRAMMING (SIX COLOR AND CMY MODELS)

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	6 (CMY models), 4 (Six Color models)
Stand-alone trigger options:	Internal timer
Stand-alone memory:	20 scenes
DMX address setting:	MUM
Stand-alone and master/slave programming:	MUM
Protocol:	USITT DMX512/1990
Receiver:	RS-485

CONSTRUCTION

Housing:	Aluminum
Finish:	Black anodized
Trim ring:	Stainless steel
Installation sleeve:	Acid-resistant stainless steel
Protection rating:	IP 65/67

INSTALLATION

Orientation:	Uplight
Minimum distance to combustible materials:	1 m (3.3 ft.)
Minimum distance to illuminated surfaces:	0.5 m (1.6 ft.)

ELECTRICAL

AC power:	210/277 V nominal, 60 Hz; 230 V nominal, 50 Hz

THERMAL

Maximum ambient temperature (Ta max.):	35° C (95° F), higher if installation is approved by Martin Architectural
Minimum ambient temperature (Ta min.):	-20° C (-4° F), power must be maintained below 0° C (32° F)
Maximum surface temperature, steady state, Ta=40° C:	80° C (176° F)
Cooling:	Internal fan, conduction via installation site fill material

APPROVALS

EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
EU safety:	EN 60598-2-5
Canadian safety:	CSA C22.2 No. 250.0-00
US safety:	UL 1598

INCLUDED ITEMS

Philips CDM-SA/T 150 lamp:	P/N 97010111

ACCESSORIES

Installation sleeve, bevelled mount:	P/N 91611194
Installation sleeve, flush mount:	P/N 91611215
40 kg (88.2 lbs.) rinsed, dried sand for installation:	P/N 91611237
Anti-glare kit, medium configuration (ring louver):	P/N 91611202
Anti-glare kit, wallwash configuration:	P/N 91611197
Anti-skid frontglass (circular etched):	P/N 91611238
Anti-skid frontglass (design etched):	P/N 91611198
Beamshaper module:	P/N 91611207
Rock guard kit, aluminum:	P/N 91611209
Rock guard kit, brass:	P/N 91611208
Rock guard kit, stainless steel:	P/N 91611199
Tamperproof trim ring screw set with key:	P/N 91611200
Trim ring kit, bevelled, brass:	P/N 91611211
Trim ring kit, bevelled, aluminum:	P/N 91611210
Trim ring kit, flush mount, aluminum:	P/N 91611213
Trim ring kit, flush mount, brass:	P/N 91611214
Trim ring kit, flush mount, stainless steel:	P/N 91611212

ORDERING INFORMATION

For full ordering information please consult www.martin.com

CYCLO IP65 DIRECTIONAL™

Weatherproofed for dynamic outdoor illumination of facades, structures and landscapes. Slim linear design and excellent optical performance based on RGB and white T5 fluorescent tubes.

Features

- High output: 54 W T5 fluorescent tubes
- Choice of 3 or 4 tube versions
- Long lamp life (20,000 hrs)
- RGB + W color mixing
- Color temperature control
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Weatherproof rating: IP65
- DMX, stand-alone, synchronized (master/slave)

Specifications

PHYSICAL	
Length:	1257 mm (49.5 in.)
Width:	150 mm (5.9 in.)
Height:	242 mm (9.5 in.) including mounting bracket
Weight:	22 kg (48.5 lbs.)
LAMP	
Type:	T5 fluorescent tubes
Approved lamps:	Osram FQ 54 W HO
Average lifetime:	20 000 hours
Socket:	G5
DYNAMIC EFFECTS	
Color mixing:	RGB (03 models), RGBW (04 models)
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%
Cool daylight white (6500 K):	0 - 100% (04 models)
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	3 (03 models) or 4 (04 models)
DMX address setting:	DIP switch
Stand-alone and master/slave programming:	DIP switch
CONSTRUCTION	
Housing:	Aluminum
Finish:	Clear anodized
Front cover:	Toughened glass
Reflector(s):	High specular 99.9% aluminum
Protection rating:	IP 65
INSTALLATION	
Orientation:	Any
Minimum free space:	25 mm (1.0 in.)
ELECTRICAL	
AC power:	100-120/200-240 V nominal, 50/60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Minimum ambient temperature:	-20° C (-4° F), power must be maintained below 0° C (32° F)
Cooling:	Convection
Total heat dissipation (calculated, +/- 10%):	615 BTU/hr. (03 models), 805 BTU/hr. (04 models)
APPROVALS	
US safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-1, EN 60598-2-1
EU EMC:	EN 55015, EN 60555-3
INCLUDED ITEMS	
Osram T5 FQ 54 W/60 HO red tube:	P/N 97020006
Osram T5 FQ 54 W/66 HO green tube:	P/N 97020007
Osram T5 FQ 54 W/67 HO blue tube:	P/N 97020008
Osram T5 FQ 54 W/840 HO 4000 K cool white tube (04 model):	P/N 97020010
Two M25 cable glands, IP68, metal, cable Ø 7 mm (0.3 in.) - 14 mm (0.6 in.)	
Two M16 cable glands, IP68, metal, cable Ø 3.5mm - 10 mm (0.4 in.)	
M25 blanking plug, metal	
M16 blanking plug, metal	
Surface-mounting bracket	
ACCESSORIES	
DMX termination resistor:	P/N 04150308
Osram T5 FQ 54 W/827 HO 2700 K warm white tube (04 model):	P/N 97020009
Osram T5 FQ 54 W/865 HO 6500 K daylight white tube (04 model):	P/N 97020011
ORDERING INFORMATION	
Cyclo IP65 03 Directional, 120 V:	P/N 90566810
Cyclo IP65 03 Directional, 230 V:	P/N 90566010
Cyclo IP65 04 Directional, 120 V:	P/N 90567810
Cyclo IP65 04 Directional, 230 V:	P/N 90567010

CYCLO IP65 02, 03, 04 DMX™

The Cyclo IP65 offers a competitive solution for dynamic outdoor illumination of facades, structures and bridges, with a slim linear design based on RGB and white fluorescent T5 tubes.

Features

- T5 fluorescent tubes, available in 28 W (all versions) or 54 W (3 tube version only)
- Choice of 2, 3 or 4 tube versions
- Long lamp life (20 000 hrs)
- RGB or RGBW color mixing, variable color temperature
- Choice of opal or clear front covers
- 0-100% intensity control
- Weatherproof rating: IP65
- DMX control

Specifications

PHYSICAL [CYCLO IP65 02 DMX]	
Length:	1276 mm (50.2 in.)
Width:	100 mm (3.9 in.)
Height:	106 mm (4.2 in.)
Weight:	4.4 kg (9.7 lbs.)
PHYSICAL [CYCLO IP65 03 DMX]	
Length:	1276 mm (50.2 in.)
Width:	100 mm (3.9 in.) - 28 Watt tube model
Width:	169 mm (6.7 in.) - 54 Watt tube model
Height:	106 mm (4.2 in.)
Weight:	5.0 kg (11.0 lbs.) - 28 Watt tube model
Weight:	6.7 kg (14.8 lbs.) - 54 Watt tube model
PHYSICAL [CYCLO IP65 04 DMX]	
Length:	1276 mm (50.2 in.)
Width:	169 mm (6.7 in.)
Height:	106 mm (4.2 in.)
Weight:	7.2 kg (15.9 lbs.)
LAMP	
Type:	T5 fluorescent tubes
Approved lamps:	Osram T5 28 W HE (28 W models), Osram T5 54 W HO (54 W models)
Average lifetime:	20 000 hours
Socket:	G5
DYNAMIC EFFECTS [CYCLO IP65 02 DMX]	
Color temperature control:	2700 - 6500 K continuous mixing
DYNAMIC EFFECTS [CYCLO IP65 03 DMX]	
Color mixing:	RGB
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%
DYNAMIC EFFECTS [CYCLO IP65 04 DMX]	
Color mixing:	RGBW
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%
Cool white (4000 K):	0 - 100%
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	2 (02 models), 3 (03 models), 4 (04 models)
DMX address setting:	DIP switch
Stand-alone and master/slave programming:	DIP switch
CONSTRUCTION	
Housing:	Polyester-reinforced composite
Front cover:	Unbreakable polycarbonate
Color:	Cream
Protection rating:	IP 65
INSTALLATION	
Orientation:	Any
Minimum free space:	25 mm (1.0 in.)
Mounting points:	Surface mount, wire suspension, 90° tilt mounting bracket (available as accessory)
ELECTRICAL	
AC power:	198-240 V, 50/60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Minimum ambient temperature:	-20° C (-4° F)
Cooling:	Convection
APPROVALS	
EU EMC:	EN 60555-3. EN 55015
EU safety:	EN 60598-1, EN 60598-2-1
ACCESSORIES	
Clear front cover 100 mm (3.9 in.):	P/N 91611228
Clear front cover 169 mm (6.7 in.):	P/N 91611230
Opal front cover 100 mm (3.9 in.):	P/N 91611229
Opal front cover 169 mm (6.7 in.):	P/N 91611231
DMX termination resistor:	P/N 04150308
Mounting bracket, 90° tilt-adjustable, stainless steel 100 mm:	P/N 91611232
Mounting bracket, 90° tilt-adjustable, stainless steel 169 mm:	P/N 91611233
Osram T5 FH 28 W/827 HE 2700 K warm white tube (04 DMX):	P/N 97020000
Osram T5 FH 28 W/865 HE 6500 K daylight white tube (04 DMX):	P/N 97020002
ORDERING INFORMATION	
Cyclo IP65 02 DMX 28 W, 230 V, clear front cover:	P/N 90561000
Cyclo IP65 02 DMX 28 W, 230 V, opal front cover:	P/N 90561001
Cyclo IP65 03 DMX 28 W, 230 V, clear front cover:	P/N 90562000
Cyclo IP65 03 DMX 28 W, 230 V, opal front cover:	P/N 90562001
Cyclo IP65 03 DMX 54 W, 230 V, clear front cover:	P/N 90565000
Cyclo IP65 03 DMX 54 W, 230 V, opal front cover:	P/N 90565001
Cyclo IP65 04 DMX 28 W, 230 V, clear front cover:	P/N 90563000
Cyclo IP65 04 DMX 28 W, 230 V, opal front cover:	P/N 90563001

CYCLO IP65 US™

The Cyclo IP65 US offers a competitive solution for dynamic outdoor illumination of facades, structures and bridges, with a slim linear design based on RGB fluorescent T5 tubes.

Features

- 54 W T5 fluorescent tubes
- 3 fluorescent RGB tubes
- Long lamp life (20 000 hrs)
- RGB color mixing, variable color temperature
- Clear front cover
- 0-100% intensity control
- Weatherproof rating: IP65
- DMX control

Specifications

PHYSICAL

Length:	1270 mm (50.0 in.)
Width:	170 mm (6.7 in.)
Height:	125 mm (4.9 in.)
Weight:	7 kg (15.4 lbs.)

LAMP

Type:	T5 fluorescent tubes
Approved lamps:	Osram FQ 54 W HO
Average lifetime:	20 000 hours
Socket:	G5

DYNAMIC EFFECTS

Color mixing:	RGB
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	3
DMX address setting:	DIP switch
Stand-alone and master/slave programming:	DIP switch
Protocol:	USITT DMX512/1990
Receiver:	RS-485

CONSTRUCTION

Housing:	Polyester-reinforced composite
Color:	Cream
Front cover:	Unbreakable polycarbonate
Reflector:	High specular 99.9% aluminum
Protection rating:	IP65

INSTALLATION

Orientation:	Any
Minimum free space:	25 mm (1.0 in.)

ELECTRICAL

AC power:	100-120 V nominal, 50/60 Hz
Main fuse:	2 AT (slow blow)

THERMAL

Maximum ambient temperature (Ta max.):	40° C (104° F)
Minimum ambient temperature:	-20° C (-4° F), power must be maintained below 0° C (32° F)
Cooling:	Convection
Total heat dissipation (calculated, +/- 10%):	615 BTU/hr.

APPROVALS

EU safety:	UL 1573
Canadian safety:	CSA C22.2 No. 166
EU safety:	EN 60598-1, EN 60598-2-1
EU EMC:	EN 55015, EN 60555-3

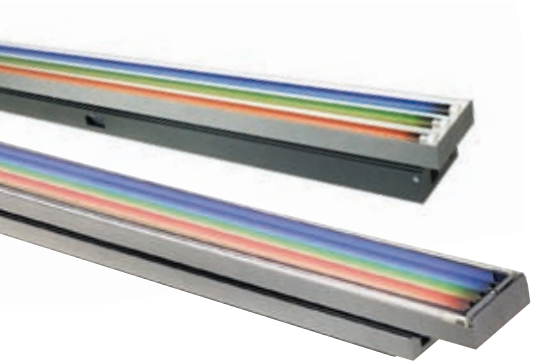
ACCESSORIES

DMX termination resistor:	P/N 04150308
Osram T5 FQ 54 W/827 HO 2700 K warm white tube (04 model):	P/N 97020009
Osram T5 FQ 54 W/865 HO 6500 K daylight white tube (04 model):	P/N 97020011

ORDERING INFORMATION

Cyclo IP65 US:	P/N 90561730

CYCLO 03, 04 DMX™



The Cyclo DMX Series provides a simple dynamic lighting solution for stores and other commercial applications with a fluorescent linear luminaire that illuminates surfaces in color and variable white light.

Features

- 28 W T5 fluorescent tubes, 54 W (110 V version only)
- Choice of 3 or 4 tube versions
- Long lamp life (20 000 hrs)
- RGB + W color mixing, variable color temperature
- 0-100% intensity control
- Surface mounting
- DMX control
- End-user programming: no extra controller required

Specifications

PHYSICAL [CYCLO 03 DMX]	
Length:	1190 mm (46.9 in.) (28 W, EU + 54 W, US models)
Length:	1200 mm (47.2 in.) (54 W, EU model)
Width:	81 mm (3.2 in.) (28 W, EU model)
Width:	130 mm (5.1 in.) (54 W, US + EU models)
Height:	93 mm (3.6 in.) (28 W, EU model)
Height:	97 mm (3.8 in.) (54 W, EU model)
Height:	103 mm (4.1 in.) (54 W, US model)
Weight:	6.5 kg (14.3 lbs.) (28 W, EU model)
Weight:	8.7 kg (19.1 lbs.) (54 W, EU model
Weight:	9.6 kg (21.1 lbs.) (54 W, US model)

PHYSICAL [CYCLO 04 DMX]	
Length:	1190 mm (46.9 in.) (28 W, EU + 54 W, US models)
Length:	1200 mm (47.2 in.) (54 W, EU model)
Width:	98 mm (3.9 in.) (28 W, EU model)
Width:	130 mm (5.1 in.) (54 W, US + EU models)
Height:	93 mm (3.6 in.) (28 W, EU model)
Height:	97 mm (3.8 in.) (54 W, EU model)
Height:	103 mm (4.1 in.) (54 W, US model)
Weight:	8.4 kg (18.5 lbs.) (28 W, EU model)
Weight:	9.5 kg (20.9 lbs.) (54 W, EU model)
Weight:	10.6 kg (23.3 lbs.) (54 W, US model)

LAMP	
Type:	T5 fluorescent tubes
Approved lamps:	Osram T5 HE 28 W and T5 HO 54 W
Average lifetime:	20 000 hours
Socket:	G5

DYNAMIC EFFECTS [CYCLO 03 DMX]	
Color mixing:	RGB
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%

DYNAMIC EFFECTS [CYCLO 04 DMX]	
Color mixing:	RGBW
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%
Cool white (4000 K):	0 - 100%

CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
Setting and addressing:	DIP switch
Data input/output:	RJ-45
DMX channels:	3 (03 models), 4 (04 models)
Protocol:	USITT DMX512/1990
Receiver:	RS-485

CONSTRUCTION	
Housing:	Mild steel
Color(s):	Gray
Reflector:	High specular 99.9% aluminum
Protection rating:	IP20

INSTALLATION	
Orientation:	Any
Minimum free space:	25 mm (1.0 in.)

ELECTRICAL	
AC power:	200-240 V, 50/60 Hz (EU models)
	100-120 V, 50/60 Hz (US models)

THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Minimum ambient temperature (Ta min.):	-20° C (-4° F)
Cooling:	Convection

APPROVALS	
EU safety:	EN 60598-1, EN 60598-2-1
EU EMC:	EN 55015, EN 60555-3
US Safety (US models):	UL 1598
Canadian safety (US models):	CAN/CSA C.22.2 No. 250

ACCESSORIES	
DMX termination plug, RJ-45:	P/N 91613028
Ensto Male connector:	P/N 05347202
Ensto Female connector:	P/N 05327202

ORDERING INFORMATION	
Cyclo 03 DMX, 28 W, 230 V (EU):	P/N 90550015
Cyclo 04 DMX, 28 W, 230 V (EU):	P/N 90550005
Cyclo 03 DMX, 54 W, 230 V (EU):	P/N 90550114
Cyclo 03 DMX, 54 W, 110 V (US):	P/N 90550115
Cyclo 04 DMX, 54 W, 230 V (EU):	P/N 90550003
Cyclo 04 DMX, 54 W, 110 V (US):	P/N 90550004

CYCLO DIRECTIONAL™

The Cyclo Directional provides a simple dynamic lighting solution for retail and other commercial applications, offering a bright linear luminaire that uniformly floodlights surfaces in color and variable white light.

Features

- 54 W T5 fluorescent tubes
- Long lamp life (20 000 hrs)
- RGB color mixing, variable color temperature
- High optical performance: uniform distribution of light and color
- 0-100% intensity control
- High output: 3 x 54 W T5 fluorescent tubes
- Choice of surface or track mounting with directional aiming
- DMX control
- End-user programming: no extra controller required

Specifications

PHYSICAL

Length:	1200 mm (47.2 in.)
Width:	107 mm (4.2 in.)
Height:	285 mm (11.2 in.) from lighting track, mounting arms included
Height:	218 mm (8.6 in.) without mounting arms
Weight:	8.7 kg (19.2 lbs.)

LAMP

Type:	54 W T5 fluorescent tubes
Approved lamps:	Osram T5 HO Series
Average lifetime:	20 000 hours
Socket:	G5

DYNAMIC EFFECTS

Color mixing:	RGB
Red:	0 - 100%
Green:	0 - 100%
Blue:	0 - 100%

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	3
Stand-alone memory:	20 scenes
DMX address setting:	DIP switch
Stand-alone and master/slave programming:	DIP switch
Protocol:	USITT DMX512/1990
Receiver:	RS-485

CONSTRUCTION

Housing:	Mild steel
Finish:	Electrostatic powder-coated
Colors:	White, titanium
Reflector(s):	High specular 99.9% aluminum
Protection rating:	IP20

INSTALLATION

Mounting points:	Lighting track with universal track adaptor. Surface mount with optional brackets
Orientation:	Any
Minimum free space:	25 mm (1.0 in.)

ELECTRICAL

AC power:	100-120 V (US model), 198-240 V (EU model), 50/60 Hz

THERMAL

Maximum ambient temperature (Ta max.):	40° C (104° F)
Cooling:	Convection
Total heat dissipation (calculated, +/- 10% at 230 V, 50 Hz / 110 V, 60 Hz):	618 BTU/hr.

APPROVALS

US safety:	UL 1598
Canadian safety:	CSA C22.2 No. 250.0-00
EU safety:	EN 60598-1, EN 60598-2-1
EU EMC:	EN 55015, EN 60555-3

INCLUDED ITEMS

Osram T5 FQ 54 W/60 HO red tube:	P/N 97020006
Osram T5 FQ 54 W/66 HO green tube:	P/N 97020007
Osram T5 FQ 54 W/67 HO blue tube:	P/N 97020008
Ensto 3-pole 16 A/250 V male connector:	P/N 05347202
Ensto 3-pole 16 A/250 V female connector:	P/N 05327202

ACCESSORIES

Wall/ceiling bracket (set of 2), titanium:	P/N 91611187
Wall/ceiling bracket (set of 2), white:	P/N 91611186
DMX termination plug, RJ-45:	P/N 91613028
RJ-45 patch cable, 250 mm (9.8 in.):	P/N 11840088
Ensto male/female cable (15 cm):	P/N 11501019
3-pin male XLR to male RJ-45 adapter:	P/N 11840087
3-pin female XLR to male RJ-45 adapter:	P/N 11840086
CAT5 network cables 2 m (6.6 ft.) x 50 pieces:	P/N 91611044
CAT5 network cables 5 m (16.4 ft.) x 30 pieces:	P/N 91611045
CAT5 network cables 10 m (32.8 ft.) x 15 pieces:	P/N 91611046

ORDERING INFORMATION

Cyclo 03 Directional, 230 V, titanium:	P/N 90550055
Cyclo 03 Directional. 230 V, white:	P/N 90550050
Cyclo 03 Directional, 110 V, titanium:	P/N 90555081
Cyclo 03 Directional, 110 V, white:	P/N 90555080

ALIEN 05 RECESSED™

The Alien 05 Recessed is a 50 W luminaire designed for expressive background lighting in restaurants, cafés, bars and other low-level light applications.

Features

- 50 W halogen
- 8 interchangeable dichroic colors
- Choice of 24° or 26° lens
- 0-100% intensity control
- Recess mounting
- DMX control

Specifications

PHYSICAL

Diameter of luminaire at widest point:	195 mm (7.7 in.)
Depth of recessed base:	118 mm (4.6 in.)
Maximum protrusion from mounting surface:	65 mm (2.6 in.)
Weight:	1.2 kg (2.6 lbs.)

LAMP

Type:	50 W, 12 V halogen, integral reflector
Socket:	GX 5.3
Fitted as standard:	Osram ENL 50 W, 12 V, 3000 hrs.

DYNAMIC EFFECTS

Color wheel:	8 color filters plus open, full (indexed) and split (stepless scroll) positions

CONTROL AND PROGRAMMING

Control options:	DMX, stand-alone, Martin Oracle control panel
Required control hardware:	Alien 05 Driver

CONSTRUCTION

Color(s):	White, titanium
Housing:	Aluminum and polyamide

INSTALLATION

Location:	Ceiling or wall panel recommended
Orientation:	Any
Aiming:	+/- 47° tilt, 360° rotation
Minimum distance to illuminated surfaces:	0.5 m (1.6 ft.)
Minimum clearance around fan and air vents:	50 mm (2.0 in.)
Maximum cable distance to transformer:	45 cm (17.7 in.)
Maximum thickness of ceiling/wall panel:	20 mm (0.8 in.)
Diameter of mounting hole:	182 mm (7.2 in.)

ELECTRICAL

AC power:	External 12 V transformer, Martin 35 - 105 W electronic transformer recommended, Alien 05 Eyeball requires Cooper Lighting housing/transformer
Dimmable:	Yes, with Martin transformer and IGBT trailing edge dimmer (Alien 05 Eyeball not dimmable)

THERMAL

Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C:	90° C (194° F)
Cooling:	Convection

APPROVALS

EU safety:	EN 60598-2-2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

INCLUDED ITEMS

Osram ENL 50 W 12 V lamp:	P/N 97000005
CTC 5500-3400 color filter (pos 2):	P/N 62327097
Yellow 604 color filter (pos 3):	P/N 62327089
Red 305 color filter (pos 4):	P/N 62327098
Pink 312 color filter (pos 5):	P/N 62327053
CTC 3200-5600 color filter (pos 6):	P/N 62327094
Blue 106 color filter (pos 7):	P/N 62327091
Blue 103 color filter (pos 8):	P/N 62327099
Green 201 color filter (pos 9):	P/N 62327092
Standard diffuser lens, 26° (installed):	P/N 43043010

ACCESSORIES

Allen head cab screws (M4x60):	P/N 08071205
Blue 101 color filter:	P/N 62327058
Blue 104 color filter:	P/N 62327052
Blue 108 color filter:	P/N 62327055
Green 202 color filter:	P/N 62327060
Green 206 color filter:	P/N 62327054
Magenta 507 color filter:	P/N 62327057
Orange 306 color filter:	P/N 62327059
Purple 502 color filter:	P/N 62327061
Red 301 color filter:	P/N 62327056
Yellow 603 color filter:	P/N 62327051
Fresnel kit, 24° (gives Medium beam angle):	P/N 91610025

ORDERING INFORMATION

Alien 05 Recessed Standard, 12 V, 50 W, Aluminum, EU model:	P/N 90340000
Alien 05 Recessed Standard, 12 V, 50 W, White, EU model:	P/N 90340002
Alien 05 Eyeball, 12 V, 50 W, Aluminum, US model:	P/N 90340100
Electronic transformer, 12 V, 35-105 W, 230 V, 50/60 Hz:	P/N 91611054
Halo brand, recessed low-volt non-IC fixture housing for Alien 05 Eyeball:	available from Cooper Lighting, Ref. H7LVT
Alien 05 Driver (required item):	P/N 90722010

ALIEN 05 STEM MOUNT™

The Alien 05 Stem Mount is a 50 W luminaire designed for expressive background lighting in restaurants, cafés, bars and other low-level light applications.

Features

- 50 W halogen
- 8 interchangeable dichroic colors
- Choice of 24° or 26° lens
- 0-100% intensity control
- Surface mounting
- DMX control

Specifications

PHYSICAL	
Pan radius:	170 mm (6.7 in.)
Maximum protrusion from mounting surface:	215 mm (8.5 in.) with 150 mm (5.9 in.) arm
Maximum protrusion from mounting surface:	665 mm (26.2 in.) with 600 mm (23.6 in.) arm
Weight:	1.3 kg (2.9 lbs.) with 150 mm (5.9 in.) arm
Weight:	1.6 kg (3.5 lbs.) with 600 mm (23.6 in.) arm
LAMP	
Type:	50 W, 12 V halogen, integral reflector
Socket:	GX 5.3
Approved lamps:	Osram ENL 50 W, 12 V, 3000 hrs.
DYNAMIC EFFECTS	
Color wheel:	8 color filters + open with speed control
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, Martin Oracle control panel
Required control hardware:	Alien 05 Driver
CONSTRUCTION	
Color(s):	White, titanium
Housing:	Aluminum and polyamide
INSTALLATION	
Location:	Interior, ceiling mount recommended
Orientation:	Any
Aiming:	360° tilt, 360° rotation
Minimum distance to illuminated surfaces:	0.5 m (1.6 ft.)
Maximum cable distance to transformer:	45 cm (17.7 in.)
ELECTRICAL	
AC power:	100-120/208-240 V nominal, 50/60 Hz
	12 VAC halogen lamp transformer (included in Stem Mount base)
Dimmable:	Yes, with external 0-10 V dimmer
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C:	90° C (194° F)
Cooling:	Convection
APPROVALS	
EU safety:	EN 60598-2-2
INCLUDED ITEMS	
Osram ENL 50 W 12 V lamp:	P/N 97000005
CTC 5500-3400 color filter (pos 2):	P/N 62327097
Yellow 604 color filter (pos 3):	P/N 62327089
Red 305 color filter (pos 4):	P/N 62327098
Pink 312 color filter (pos 5):	P/N 62327053
CTC 3200-5600 color filter (pos 6):	P/N 62327094
Blue 106 color filter (pos 7):	P/N 62327091
Blue 103 color filter (pos 8):	P/N 62327099
Green 201 color filter (pos 9):	P/N 62327092
Standard diffuser lens, 26° (installed):	P/N 43043010
ACCESSORIES	
Blue 101 color filter:	P/N 62327058
Blue 104 color filter:	P/N 62327052
Blue 108 color filter:	P/N 62327055
Green 202 color filter:	P/N 62327060
Green 206 color filter:	P/N 62327054
Magenta 507 color filter:	P/N 62327057
Orange 306 color filter:	P/N 62327059
Purple 502 color filter:	P/N 62327061
Red 301 color filter:	P/N 62327056
Yellow 603 color filter:	P/N 62327051
Fresnel kit, 24° (gives Medium beam angle):	P/N 91610025
ORDERING INFORMATION	
Alien 05 Stem Mount Base, 120 V, Aluminum:	P/N 90722040
Alien 05 Stem Mount Base, 120 V, White:	P/N 90722042
Alien 05 Stem Mount Base, 230 V, Aluminum:	P/N 90722030
Alien 05 Stem Mount Base, 230 V, White:	P/N 90722032
Alien 05 Stem Mount Standard, 12 V, 50 W, Aluminum:	P/N 90340200
Alien 05 Stem Mount Standard, 12 V, 50 W, White:	P/N 90340202
600 mm Arm, Aluminum:	P/N 91611068
150 mm Arm, Aluminum:	P/N 91611067
600 mm Arm, White:	P/N 91611081
150 mm Arm, White:	P/N 91611080
Alien 05 Driver (required item):	P/N 90722010

ALIEN 02 SPOT™

The Alien 02 Spot is a programmable 150 W luminaire for architectural and commercial applications: retail, hotels, bars and corporate environments.

Features

- 150 W metal halide lamp
- CMY color mixing system
- Choice of narrow, medium or wide beam options
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Surface mounting
- DMX, stand-alone, synchronized (master/slave)

Specifications

PHYSICAL	
Length:	312 mm (12.3 in.) + mounting arm 135 mm (5.3 in.)
Width:	235 mm (9.3 in.)
Weight:	3.3 kg (7.3 lbs.) + mounting arm 0.7 kg (1.5 lbs.)
LAMP	
Type:	150 W metal halide
Approved lamps:	Philips CDM-SA/T 150, GE CMH 150
Socket:	G12
Control:	Automatic and/or remote on/off
DYNAMIC EFFECTS	
Color mixing:	CMY
Cyan:	0 - 100%
Magenta:	0 - 100%
Yellow:	0 - 100%
Dimmer:	0 - 100%
CONTROL AND PROGRAMMING	
Required control hardware:	150 W Single Base or 150 W Double Base
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	7
Stand-alone memory:	20 scenes
Setting and addressing:	Display, infrared remote
Protocol:	USITT DMX512/1990
Receiver:	RS-485
CONSTRUCTION	
Housing:	Aluminum and plastic
Base:	Aluminum
INSTALLATION	
Required installation hardware:	Alien 02 Spot Mounting Arm
Orientation:	Any
Aiming:	+/- 50° tilt, 360° rotation
Minimum distance to combustible materials:	1 m (3.3 ft.)
Minimum distance to illuminated surfaces:	0.5 m (1.6 ft.)
Max. cable separation between lamp and Base:	16 m (52.5 ft.)
ELECTRICAL	
AC power:	Supplied via Base unit that accepts 100/120/208/230/250 V, 50/60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C:	80° C (176° F)
Cooling:	Filtered forced air (temperature-regulated)
APPROVALS	
US safety:	UL 153
Canadian safety:	CSA C22.2
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
INCLUDED ITEMS	
Philips CDM-SA/T 150 W lamp (installed):	P/N 97010111
3 m power cable, 3-pin IEC:	P/N 11501013
ACCESSORIES	
21° Fresnel lens (gives Medium beam angle):	P/N 91610022
41° x 46° beamshaper lens:	P/N 91610023
42° Micro lens diffuser (gives Wide beam angle):	P/N 91610024
Barn door kit:	P/N 91611057
Glare control kit:	P/N 91611066
2 m (6.6 ft.) cable extension kit:	P/N 91611051
5 m (16.4 ft.) cable extension kit:	P/N 91611060
10 m (32.8 ft.) cable extension kit:	P/N 91611061
ORDERING INFORMATION	
Alien 02 Spot, 38°, Aluminum:	P/N 90345000
Alien 02 Spot 135 mm mounting arm:	P/N 91611048
150 W Single Base:	P/N 90724000
150 W Double Base:	P/N 90724200

ALIEN 02 PENDANT™

The Alien 02 Pendant is a programmable 150 W luminaire for architectural and commercial applications: retail, hotels, bars and corporate environments.

Features

- 150 W metal halide lamp
- CMY color mixing system
- Choice of narrow, medium or wide beam options
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Pendant mounting
- DMX, stand-alone, synchronized (master/slave)

Specifications

PHYSICAL

Length:	800 mm (31.5 in.)
Width:	300 mm (11.8 in.)
Height:	235 mm (9.3 in.)
Weight:	5.4 kg (11.9 lbs.)

LAMP

Type:	150 W metal halide
Approved lamps:	Philips CDM-SA/T 150, GE CMH 150
Socket:	G12
Control:	Automatic and/or remote on/off

DYNAMIC EFFECTS

Color mixing:	CMY
Cyan:	0 - 100%
Magenta:	0 - 100%
Yellow:	0 - 100%
Dimmer:	0 - 100%

CONTROL AND PROGRAMMING

Required control hardware:	150 W Single Base or 150W Double Base
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	7
Stand-alone memory:	20 scenes
Setting and addressing:	Display, infrared remote
Protocol:	USITT DMX512/1990
Receiver:	RS-485

CONSTRUCTION

Housing:	Aluminum and plastic
Base:	Aluminum

INSTALLATION

Required installation hardware:	Alien 02 J-Box
Orientation:	Any
Aiming:	+/- 50° tilt, 360° rotation
Minimum distance to combustible materials:	1 m (3.3 ft.)
Minimum distance to illuminated surfaces:	0.5 m (1.6 ft.)
Max. cable separation between lamp and Base:	16 m (52.5 ft.)

ELECTRICAL

AC power:	Supplied via Base unit that accepts 100/120/208/230/250 V, 50/60 Hz

THERMAL

Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C:	80° C (176° F)
Cooling:	Filtered forced air (temperature-regulated)

APPROVALS

EU safety:	UL 153
Canadian safety:	CSA C22.2
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547

INCLUDED ITEMS

Philips CDM-SA/T 150 lamp:	P/N 97010111

ACCESSORIES

21° Fresnel lens (gives Medium beam angle):	P/N 91610022
41° x 46° beamshaper lens:	P/N 91610023
42° Micro lens diffuser (gives Wide beam angle):	P/N 91610024
Barn door kit:	P/N 91611057
Glare control kit:	P/N 91611066
2 m (6.6 ft.) cable extension kit:	P/N 91611051
5 m (16.4 ft.) cable extension kit:	P/N 91611060
10 m (32.8 ft.) cable extension kit:	P/N 91611061

ORDERING INFORMATION

Alien 02 Pendant, 38°, Aluminum:	P/N 90345100
Alien 02 J-Box (required item):	P/N 91611065
150 W Single Base:	P/N 90724000
150 W Double Base:	P/N 90724200

FIBERSOURCE B150™

The FiberSource B150 is a simple white light 150 W illuminator for fiber optic installations that can receive up to 800 flexible 1 mm fiber cables.

Features

- 150 W metal halide lamp
- Option of static color filters
- 0-100 % intensity control
- Up to 800 fiber cables (1 mm)
- Weatherproof rating: IP44

Specifications

PHYSICAL	
Length:	398 mm (15.7 in.)
Width:	195 mm (7.7 in.)
Height:	197 mm (7.8 in.)
Weight:	7 kg (15.4 lbs.)
LAMP	
Type:	150 W metal halide
Approved lamps:	Philips CDM-SA/R 150
Socket:	Separate connector for integral lamp wires
Control:	Remote on/off
CONSTRUCTION	
Housing:	Plastic, ABS
Color:	Anthracite gray (RAL 7016)
Protection rating:	IP 44
INSTALLATION	
Outdoor orientation:	Horizontal
Indoor orientation:	Any
Minimum distance to combustible materials:	0.1 m (0.3 ft.)
Minimum clearance around fan and air vents:	0.2 m (0.7 ft.)
ELECTRICAL	
AC power:	100/120/210/230/250 V, 50/60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C:	70° C (158° F)
Cooling:	Filtered forced air cooling system
APPROVALS	
US safety:	UL 1598
Canadian safety:	CSA C22.2 No. 250.0-00
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
INCLUDED ITEMS	
Philips CDM-SA/R 150 lamp:	P/N 97010113
ACCESSORIES	
Fiber adaptor, 350-800 pcs. (50 pcs. interval) Ø1mm fiber, D= 38 mm:	P/N 91611034
Fiber adaptor, 75-350 pcs. (25 pcs. interval) Ø 1 mm fiber, D= 30 mm:	P/N 91611035
10 m (32.8 ft.) Light Fiber LF120HL, Ø 12 mm (0.5 in.):	P/N 91611070
20 m (65.6 ft.) Light Fiber LF120HL, Ø 12 mm (0.5 in.):	P/N 91611071
60 m (196.9 ft.) Light Fiber LF120HL, Ø 12 mm (0.5 in.):	P/N 91611072
ORDERING INFORMATION	
FiberSource B150, 230 V, 50 Hz:	P/N 90523400
FiberSource B150, 120 V, 60 Hz:	P/N 90523300

FIBERSOURCE QFX150™

The FiberSource QFX150 is an automated 150 W color-changing luminaire for illuminating fiber optic cables in permanent installations. It features a color wheel with 9 interchangeable colors and smooth, full-range mechanical dimming.

Features

- 150 W metal halide lamp
- Color wheel with up to 9 interchangeable colors (4 are included)
- 0-100% intensity control
- Up to 800 fiber cables (1 mm)
- Blackout and strobe functionality
- Twinkle wheel for sparkling effects
- DMX or stand alone control

Specifications

PHYSICAL	
Length:	330 mm (13.0 in.)
Width:	213 mm (8.4 in.)
Height:	199 mm (7.8 in.)
Weight:	10.4 kg (22.9 lbs.)
LAMP	
Type:	150 W metal halide
Approved lamps:	Osram HQI-R 150
Socket:	Separate connector for integral lamp wires
Control:	Remote on/off
DYNAMIC EFFECTS	
Color wheel:	9 positions + open, continuous rotation
Twinkle effect:	Removable section, continuous variable-speed rotation
Dimmer:	0 - 100%
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	5
DMX address setting:	DIP switch
Stand-alone and master/slave programming:	DIP switch
CONSTRUCTION	
Housing:	Steel and aluminum
Finish:	Electrostatic powder-coated
Color:	Black (RAL 9005)
Protection rating:	IP 20
INSTALLATION	
Orientation:	Horizontal
Minimum distance to combustible materials:	0.1 m (0.3 ft.)
Minimum clearance around fan and air vents:	0.1 m (0.3 ft.)
ELECTRICAL	
AC power:	100/120/210/230/250 V, 50/60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C:	58° C (136° F)
Cooling:	Forced air cooling system
Total heat dissipation (calculated, +/- 10%):	700 BTU/hr.
APPROVALS	
US safety:	UL 153
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
INCLUDED ITEMS	
Osram HQI-R 150 lamp:	P/N 97010101
3 m power cable, 3-pin IEC:	P/N 11501013
5 m data cable, 3-pin XLR:	P/N 11820008
Blue 108 color filter on adaptor:	P/N 62327030
Yellow 603 color filter on adaptor:	P/N 62327031
Green 206 color filter on adaptor:	P/N 62327033
Red 308 color filter on adaptor:	P/N 62327032
ACCESSORIES	
Fiber adaptor, 75-350 pcs.: (25 pcs. interval) Ø 1 mm (0.04 in.) fiber, D= 30 mm (1.2 in.):	P/N 91611035
G-clamp:	P/N 91602003
Half-coupler clamp:	P/N 91602005
Optional color filters:	See user manual
ORDERING INFORMATION	
FiberSource QFX 150:	P/N 90522000

FIBERSOURCE CMY150™

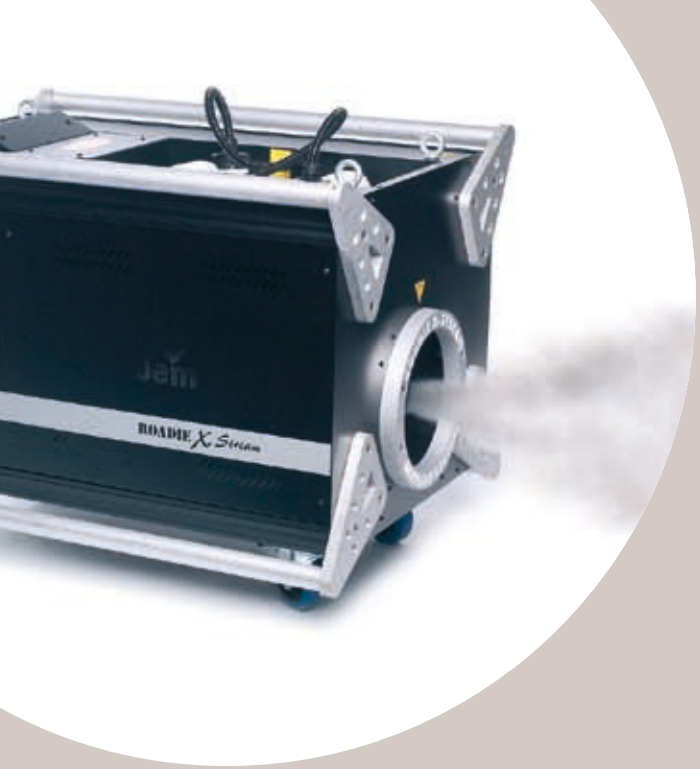
The FiberSource CMY150 is an automated 150 W color-changing luminaire for illuminating fiber optic cables in indoor and outdoor installations. It features seamless CMY color mixing and full-range continuous dimming.

Features

- 150 W metal halide lamp
- CMY color mixing system
- 0-100% intensity control
- Up to 800 fiber cables (1 mm)
- Weatherproof rating: IP44
- DMX, stand-alone, real time clock activation

Specifications

PHYSICAL	
Length:	398 mm (15.7 in.)
Width:	195 mm (7.7 in.)
Height:	197 mm (7.8 in.)
Weight:	8 kg (17.6 lbs.)
LAMP	
Type:	150 W metal halide
Approved lamps:	Philips CDM-SA/R 150
Socket:	Separate connector for integral lamp wires
Control:	Automatic and/or remote on/off
DYNAMIC EFFECTS	
Color mixing:	CMY
Cyan:	0 - 100%
Magenta:	0 - 100%
Yellow:	0 - 100%
Dimmer:	0 - 100%
CONTROL AND PROGRAMMING	
Control options:	DMX, stand-alone, synchronized (master/slave)
DMX channels:	7
Stand-alone trigger options:	Internal timer and/or ambient light level
Stand-alone memory:	20 scenes
DMX address setting:	MUM
Stand-alone and master/slave programming:	MUM
Protocol:	USITT DMX512/1990
Receiver:	RS-485
CONSTRUCTION	
Housing:	Plastic, ABS
Color(s):	Anthracite gray (RAL 7016)
Protection rating:	IP 44
INSTALLATION	
Indoor orientation:	Any
Outdoor orientation:	Horizontal
Minimum distance to combustible materials:	0.1 m (0.3 ft.)
Minimum clearance around fan and air vents:	0.2 m (0.7 ft.)
ELECTRICAL	
AC power:	100/120/210/230/250 V, 50/60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C:	70° C (158° F)
Cooling:	Filtered forced air cooling system
Total heat dissipation (calculated, +/- 10%):	750 BTU/hr.
APPROVALS	
US safety:	UL 1598
Canadian safety:	CSA C22.2 No. 250.0-00
EU safety:	EN 60598-2-17 + Corr. A2
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
INCLUDED ITEMS	
Philips CDM-SA/R 150 lamp:	P/N 97010113
ACCESSORIES	
Fiber adaptor, 350-800 pcs. (50 pcs. interval) Ø 1mm fiber, D= 38mm:	P/N 91611034
Fiber adaptor, 75-350 pcs.: (25 pcs. interval) Ø 1 mm (0.04 in.) fiber, D= 30 mm (1.2 in.):	P/N 91611035
10 m (32.8 ft.) Light Fiber LF120HL, Ø 12 mm (0.5 in.):	P/N 91611070
20 m (65.6 ft.) Light Fiber LF120HL, Ø 12 mm (0.5 in.):	P/N 91611071
60 m (196.9 ft.) Light Fiber LF120HL, Ø 12 mm (0.5 in.):	P/N 91611072
ORDERING INFORMATION	
FiberSource CMY 150, 230 V, 50 Hz:	P/N 90523000
FiberSource CMY 150, 120 V, 60 Hz:	P/N 90523100



MARTIN SMOKE

JEM GLACIATOR X-STREAM™
JEM ROADIE X-STREAM™
JEM ROADIE COMPACT™
JEM HYDRA™
JEM ZR33 HI-MASS™
JEM ZR24/7 HAZER™
JEM AF-1™
JEM AF-2™

MAGNUM 2500 Hz™
MAGNUM 2000™
MAGNUM 1800™
MAGNUM 1500™
MAGNUM 1200™
MAGNUM 850™
MAGNUM 650™
MAGNUM HAZER™
MAGNUM CLUB SMOKE™

FOG and HAZE FLUIDS

ACCESSORIES

	JEM GLACIATOR X-STREAM™	JEM ROADIE X-STREAM™	JEM ROADIE COMPACT™	JEM HYDRA™	JEM ZR33 HI MASS™	JEM ZR24/7 HAZER™
OUTPUT						
Continuous	Continuous output	Continuous output	Continuous output	Continuous output	Continuous output	Continuous output
Density	Density control: low, medium or high	Output and density level control	Output and density level control	–	–	Output and density level control
Output	80 m³/min fog output	5000 m³/min fog output	2500 m³/min fog output	700 m³/min fog output (per head)	1000 m³/min fog output	2000 m³/min haze output
Speed	–	Integrated high velocity fan	Integrated high velocity fan	–	–	Integrated high velocity fan
HEAT EXCHANGE						
Heat Exchange	3500 W heat exchanger	2 x 2500 W heat exchanger	2 x 1500 W heat exchanger	1500 W heat exchanger	1500 W heat exchanger	900 W heat exchanger
Heat-up time	15 min heat-up time	18 min heat-up time	9 min heat-up time	9 min heat-up time	8 min heat-up time	Less than 3 min heat-up time
MOUNTING						
Mounting	–	For vertical or horizontal effect projection	For vertical or horizontal effect projection	Can be mounted in any direction	Floor standing or truss mounting	–
FLUID						
Capacity	5 liter fluid capacity	2 x 9.5 liter fluid capacity	9.5 liter fluid capacity	2 x 25 liter fluid capacity	9.5 liter fluid capacity	2.5 liter fluid capacity
Low-Fluid	Low fluid sensing	Low fluid sensing	Low fluid sensing	Low fluid sensing	–	Low fluid sensing
Options	Different fluid options for different applications	Different fluid options for different applications	Different fluid options for different applications	Temperature control for different fluid options and applications	Different fluid options for different applications	Different fluid options for different applications
Supply	Internal or external fluid supply	–	-	Automatic tank changeover	–	Sealed fluid bottle-cap
CONTROL						
Control	Onboard DMX	Onboard DMX	Onboard DMX, 3 & 5 pin	System is DMX controllable	Onboard DMX	Onboard DMX, 3 & 5 pin
Macros	–	–	Pre-programmed stand-alone macros	Pre-programmed stand-alone macros	–	Pre-programmed stand-alone macros
On-board addressing	On-board control panel	On-board control panel	On-board control panel	On-board control panel	On-board control panel	On-board control panel
Options	Optional ducting system	–	–	–	Removable panel for remote	–
Remote	–	Optional hand-held remote control	Optional multifunctional remote control	Optional multifunctional remote control	Multifunctional remote control	Optional multifunctional remote control

	MAGNUM 2000™	MAGNUM 1500™	MAGNUM CLUB SMOKE™	MAGNUM HAZER™
OUTPUT				
Continuous	–	Continuous output	Continuous output	Continuous output
Density	–	–	–	Output and density level control
Output	700 m³/min fog output	550 m³/min fog output	550 m³/min fog output	2000 m³/min fog output
Speed	–	–	–	Integrated high velocity fan
HEAT EXCHANGE				
Heat Exchange	1600 W	1200 W	1000 W	900 W
Heat-up time	8 minutes	7 minutes	7 minutes	Less than 3 minutes
MOUNTING				
Mounting	Floor standing or truss mounting	Floor standing or truss mounting	Truss mounting	–
Stand	–	–	–	–
FLUID				
Capacity	9.5 liter fluid capacity	2.3 liter fluid capacity	10 liter fluid capacity	2.5 liter fluid capacity
Low-Fluid	–	–	–	–
Options	Different fluid options for different applications	Different fluid options for different applications	Different fluid options for different applications	–
Supply	–	–	–	Sealed fluid bottle-cap
CONTROL				
Control	Optional DMX	Optional DMX	Onboard DMX	Onboard DMX
On-board addressing	On-board control panel	–	–	On-board control panel
Options	Removable panel for remote control	–	–	Removable panel for remote control
Remote	Timer and output level remote control	Timer and output level remote control	Multifunctional remote control	Optional multifunctional remote control

MAGNUM 2500 Hz™	MAGNUM 1800™	MAGNUM 1200™	MAGNUM 850™	MAGNUM 650™
Continuous output	Continuous output	Continuous output	Continuous output	–
–	–	–	–	–
2500 m³/min haze output	580 m³/min fog output	290 m³/min fog output	200 m³/min fog output	160 m³/min fog output
–	–	–	–	–
900 W	1000 W	850 W	750 W	600 W
6-8 minutes	9 minutes	8 minutes	8 minutes	7 minutes
–	–	–	–	–
–	Optional flying kit	Optional flying kit	–	–
3.8 liter fluid capacity	3.8 liter fluid capacity	2.3 liter fluid capacity	1 liter fluid capacity	1 liter fluid capacity
–	–	–	–	–
–	Different fluid options for different applications	Different fluid options for different applications	Different fluid options for different applications	Different fluid options for different applications
–	–	–	–	–
–	Onboard DMX	–	–	–
–	–	–	–	–
Internal remote control storage	Internal remote control storage	Internal remote control storage	Internal remote control storage	Internal remote control storage
Timer and output level remote control	Timer and output level remote control	Timer and output level remote control	Timer and output level remote control	–

JEM GLACIATOR X-STREAM™

The Glaciator X-Stream creates a total, ground fog effect from a self-contained unit. The Glaciator X-Stream utilizes the simple but effective Jem heavy fog fluids and a closed loop refrigeration system for a heavy fog solution.

Features

- Density control: low, medium or high
- Continuous output
- 80 m^2/min fog output
- 3500 W heat exchanger
- 15 min heat-up time
- 5 liter fluid capacity
- Different fluid options for different applications
- Internal or external fluid supply
- Low fluid sensing
- Self contained unit: no C02 or dry ice
- Onboard DMX
- On-board control panel
- Optional ducting system

Specifications

PHYSICAL	
Length:	866 mm (34.1 in.)
Width:	638 mm (25.1 in.)
Height:	725 mm (28.5 in.)
Dry weight:	110 kg (242.5 lbs.)
PERFORMANCE	
Coverage volume:	80 m^2 per minute
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	15 minutes
CONTROL AND PROGRAMMING	
Control options:	Onboard control panel, onboard DMX
Compatible remote controls:	For limited control
DMX channels:	2 (Output and Compressor)
Protocol:	USITT DMX512/1990
CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	3500 W, direct thermal protection
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure X2
Onboard fluid capacity:	Internal 5 l reservoir
External fluid supply:	For larger volume remote fluid supply
Fluid consumption at peak output:	120 ml per minute
INSTALLATION	
Orientation:	Floor mount only (On wheels)
ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	208 V, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
ACCESSORIES	
Heavy Fog (B2 mix) fluid	
Heavy Fog (C3 mix)	
JEM Multi-function (Analogue) Remote Control:	P/N 92765013
Ducting Kit incl. twin adapter and 2 x 5 m ducting:	P/N 92625007
ORDERING INFORMATION	
Jem Glaciator X-Stream, 240 V:	P/N 92210500
Jem Glaciator X-Stream, 208 V:	P/N 92210501

JEM ROADIE X-STREAM™

The Roadie X-Stream blends fog and air to produce a variety of effects; from an optically translucent haze to an immensely dense “white-out” of fog.

Features

- Output and density level control
- Continuous output
- 5000 m³/min fog output
- Integrated high velocity fan
- 2 x 2500 W heat exchanger
- 18 min heat-up time
- For vertical or horizontal effect projection
- 2 x 9.5 liter fluid capacity
- Different fluid options for different applications
- Low fluid sensing
- Onboard DMX
- On-board control panel
- Optional hand-held remote control

Specifications

PHYSICAL	
Length:	1140 mm (44.9 in.)
Width:	645 mm (25.4 in.)
Height:	655 mm (25.8 in.)
Dry weight:	167 kg (368.2 lbs.)
PERFORMANCE	
Max. fog output (approx.):	5000 m³ per minute
Max. operating time at full output (approx.):	108 minutes
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	18 minutes
CONTROL AND PROGRAMMING	
Control options:	Onboard control panel, onboard DMX
Compatible remote controls:	For limited control
DMX channels:	2 (output and fan)
Protocol:	USITT DMX512/1990
CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	2 x 2500 W, direct thermal protection
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure X4
Onboard fluid capacity:	2 x 9.5 l
Fluid consumption at peak output:	500 ml per minute
INSTALLATION	
Orientation:	Floor or flying kit
ELECTRICAL	
AC power:	208 V 60 Hz / 220 - 240 V 50 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
ACCESSORIES	
Pro Smoke Studio (DX Mix) fluid	
Pro Smoke Super (ZR Mix) fluid	
Pro Smoke High Density (SP Mix) fluid	
Regular DJ (DJ mix) fluid	
Pro Haze (Haze mix) fluid	
I-fog fluid	
Jem Roadie X-Stream Remote Control:	P/N 92765025
ORDERING INFORMATION	
Jem Roadie X-Stream:	P/N 92230400

JEM ROADIE COMPACT™

Martin's industry-standard Jem Roadie X-Stream is now available in a high-output, compact version.

Features

- Output and density level control
- Continuous output
- 2500 m^3/min fog output
- Integrated high velocity fan
- 2 x 1500 W heat exchanger
- 9 min heat-up time
- For vertical or horizontal effect projection
- 9.5 liter fluid capacity
- Different fluid options for different applications
- Low fluid sensing
- Onboard DMX, 3 & 5 pin
- Pre-programmed stand-alone macros
- On-board control panel
- Optional multifunctional remote control

Specifications

PHYSICAL	
Length:	800 mm (31.5 in.)
Width:	500 mm (19.7 in.)
Height:	600 mm (23.6 in.)
Dry weight:	80 kg (176.4 lbs.)

PERFORMANCE	
Max. fog output (approx.):	2500 m^3 per minute
Max. operating time at full output (approx.):	90 minutes
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	9 minutes

CONTROL AND PROGRAMMING	
Control options:	Onboard control panel, onboard DMX
Compatible remote controls:	For limited control
DMX channels:	2 (output and fan)
Protocol:	USITT DMX512/1990

CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	2 x 1500 W, direct thermal protection

FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure X2
Onboard fluid capacity:	9.5 l
Fluid consumption at peak output:	220 ml per minute

INSTALLATION	
Orientation:	Floor mount (Horizontal or vertical) or flying kit

ELECTRICAL	
AC power:	208 V 60 Hz / 220 - 240 V 50 Hz

THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)

APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)

ACCESSORIES	
Pro Smoke Studio (DX Mix) fluid	
Pro Smoke Super (ZR Mix) fluid	
Pro Smoke High Density (SP Mix) fluid	
Pro Steam Simulation (AA) fluid	
Regular DJ (DJ mix) fluid	
I-fog fluid	
Pro haze fluid	
Jem Multi-Function (Digital) Remote Control:	P/N 92765026
Ducting System:	P/N 92625010

ORDERING INFORMATION	
Jem Roadie Compact:	P/N 92230500

JEM HYDRA™

The Hydra is a multi-headed fog generator which gives you total flexibility in fog placement through a maximum of 16 individually DMX controlled output heads, all serviced by one centralized base.

Features

- Central base allows heads to be positioned up to 300 meters apart
- Continuous output
- 700 m^3/min fog output (per head)
- 1500 W heat exchanger
- 9 min heat-up time
- Can be mounted in any direction
- 2 x 25 liter fluid capacity
- Temperature control for different fluid options and applications
- Automatic tank changeover
- Low fluid sensing
- Leak detection system
- Optional self-sealed connectors for easy service
- System is DMX controllable
- Pre-programmed stand-alone macros
- On-board control panel
- Optional multifunctional remote control

Specifications

PHYSICAL	
Length (Head):	440 mm (17.3 in.)
Width (Head):	392 mm (15.4 in.)
Height (Head):	167 mm (6.6 in.)
Dry Weight (Head):	13.8 kg (30.4 lbs.)
Length (Base):	664 mm (26.1 in.)
Width (Base):	392 mm (15.4 in.)
Height (Base):	939 mm (37.0 in.)
Dry weight (Base):	35 kg (77.2 lbs.) incl. two empty 25 l drums

PERFORMANCE	
Max. fog output (approx.):	700 m^3 per minute per head
Max. operating time at full output (approx.):	60 minutes (full 16-head system)
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	9 minutes

CONTROL AND PROGRAMMING	
Control options:	Onboard control panel, onboard DMX Instant or timer-controlled variable output Output is proportional for all levels above 12%
DMX channels:	1 per head, maximum 16
Protocol:	USITT DMX512/1990
Optional digital remote control:	For limited control

CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	1500 W, direct thermal protection

FLUID SYSTEM	
Fluid pump:	Low pressure pump in Base Unit supplies constant 2.5 bar pressure Pump (EP5) in Head Unit increases 2.5 bar inlet pressure to 16 bar Solenoid valve in Head Unit for instant cut-off
Onboard fluid capacity:	2 x 25 l
Fluid consumption at peak output:	120 ml per minute per head

INSTALLATION	
Orientation (Head):	Any
Orientation (Base):	Floor mount only (On wheels)

ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz

THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)

APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)

ACCESSORIES	
Pro Smoke Super (ZR Mix) fluid	
Pro Smoke High Density (SP Mix) fluid	
Regular DJ (DJ mix) fluid	
Pro Steam Simulation (AA) fluid	
I-fog fluid	
Digital Multi-function Remote Control:	P/N 92765026
Hydra Termination Plug (Male):	P/N 56250080
Hydra Termination Plug (Female):	P/N 56250090
Self-seal connector, 2 x 6 mm m/f, valved:	P/N 92620007
Self-seal connector, 2 x 10 mm m/f, valved:	P/N 92620008
30 m length of 10 mm tubing:	P/N 92620010
Straight-through connector, 2 x 10 mm:	P/N 92620009

ORDERING INFORMATION	
Jem Hydra Base Unit, 110 V:	P/N 92250300
Jem Hydra Base Unit, 240 V:	P/N 92250200
Jem Hydra Head Unit, 110 V:	P/N 92250500
Jem Hydra Head Unit, 240 V:	P/N 92250400

JEM ZR33 HI-MASS™

The ZR33 Hi-Mass is a powerful and instant atmosphere generator for large clubs, stage productions, rental companies and industrial applications.

Features

- Continuous output
- 1000 m^3/min fog output
- 1500 W heat exchanger
- 8 min heat-up time
- Floor standing or truss mounting
- 9.5 liter fluid capacity
- Different fluid options for different applications
- Onboard DMX
- On-board control panel
- Removable panel for remote control
- Multifunctional remote control

Specifications

PHYSICAL	
Length:	685 mm (27.0 in.)
Width:	345 mm (13.6 in.)
Height:	225 mm (8.9 in.)
Dry weight:	19 kg (41.9 lbs.)
PERFORMANCE	
Max. fog output (approx.):	1000 m^3 per minute
Max. operating time at full output (approx.):	180 minutes
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	8 minutes
CONTROL AND PROGRAMMING	
Control options:	Remote control (supplied), DMX, 0-10 V analog
Remote control features:	Instant or timer-controlled variable output Delay 2-144 seconds, run time 2-144 seconds
DMX channels:	1
Protocol:	USITT DMX512/1990
CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	1500 W, direct thermal protection
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure X2
Onboard fluid capacity:	9.5 l
Fluid consumption at peak output:	150 ml per minute
INSTALLATION	
Orientation:	Floor or flying kit
ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
ACCESSORIES	
Pro Smoke Studio (DX Mix) fluid	
Pro Smoke Super (ZR Mix) fluid	
Pro Smoke High Density (SP Mix) fluid	
I-fog fluid	
Ducting Kit incl. adapter and 5 m of 4-inch (104mm) ducting:	P/N 92625005
DMX termination plug, 3-pin male XLR:	P/N 91613017
ORDERING INFORMATION	
JEM ZR33 Hi-Mass, 110V:	P/N 92215201
JEM ZR33 Hi-Mass, 240V:	P/N 92215200

JEM ZR24/7 HAZER™

The ZR24/7 is a high-precision DMX haze generator which uses state-of-the-art digital technology and a high-velocity radial blower.

Features

- Output and density level control
- Continuous output
- 2000 m^3/min haze output
- Integrated high velocity fan
- 900 W heat exchanger
- Less than 3 min heat-up time
- 2.5 liter fluid capacity
- Different fluid options for different applications
- Sealed fluid bottle-cap
- Low fluid sensing
- Onboard DMX, 3 & 5 pin
- Pre-programmed stand-alone macros
- On-board control panel
- Optional multifunctional remote control

Specifications

PHYSICAL

Length:	420 mm (16.5 in.)
Width:	246 mm (9.7 in.)
Height:	303 mm (11.9 in.)
Dry weight:	11 kg (24.3 lbs.)

PERFORMANCE

Coverage volume:	2000 m^3
Max. operating time at full output (approx.):	7 hours
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	3 minutes

CONTROL AND PROGRAMMING

Control options:	Onboard control panel, onboard DMX, master/slave, optional digital remote
Control options:	Instant or timer-controlled variable output
DMX channels:	2 (output and fan)
	Up to 4 machines linkable in master/slave mode
Protocol:	USITT DMX512/1990

CONSTRUCTION

Housing:	Steel & aluminum
Heat exchanger:	900 W, direct thermal protection

FLUID SYSTEM

Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	2.5 l
Fluid consumption at peak output:	360 ml per hour

INSTALLATION

Orientation:	Floor or flying kit

ELECTRICAL

AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz

THERMAL

Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)

APPROVALS

EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
US safety:	UL Std. 60335-1

ACCESSORIES

Pro Haze (Haze mix) fluid	
Regular DJ (DJ mix) fluid	
Pro Smoke Super (ZR Mix) fluid	
Digital Multi-function Remote Control:	P/N 92765026

ORDERING INFORMATION

Jem ZR 24/7 Hazer, 110 V:	P/N 92225600
Jem ZR 24/7 Hazer, 240 V:	P/N 92225500

JEM AF-1™

The AF-1 is a compact but powerful fan designed with clubs, studios, theatres and touring applications in mind. AF-1 features DMX input as standard and can be installed from the ceiling, in the truss, or can be floor standing.

Features

- Airflow: 1600 m^3/hr
- Fan speed 0 - 2500 rpm
- Floor standing or truss mounting
- Onboard DMX
- Multifunctional remote control

Specifications

PHYSICAL

Width:	320 mm (12.6 in.)
Height:	350 mm (13.8 in.)
Depth:	180 mm (7.1 in.)
Dry weight:	10 kg (22.0 lbs.)

PERFORMANCE

Maximum airflow:	1600 m^3 per hour
Fan speed:	0-2500 rpm

CONTROL AND PROGRAMMING

Control options:	Remote control (supplied), DMX, 0-10 V analog
Remote control features:	Instant or timer-controlled output, 0-100% adjustable output level Delay 2-144 seconds, run time 2-144 seconds
DMX channels:	1
Protocol:	USITT DMX512/1990

CONSTRUCTION

Housing:	Steel

INSTALLATION

Orientation:	Any

ELECTRICAL

AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz

APPROVALS

EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
US safety:	UL Std. 507

ORDERING INFORMATION

Jem AF-1 Fan, 110 V:	P/N 92615100
Jem AF-1 Fan, 240 V:	P/N 92615000

JEM AF-2™

The AF-2 is a high-output fully DMX controllable fan. It has been designed with theme parks, stage applications and theatres in mind.

Features

- Airflow: 6500 m^3/hr
- Fan speed 0 - 1380 rpm
- Floor standing or truss mounting
- Optional “Touring Frame”
- Onboard DMX, 3 & 5 pin
- Multifunctional remote control

Specifications

PHYSICAL

Width:	682 mm (26.9 in.)
Height:	707 mm (27.8 in.)
Depth:	318 mm (12.5 in.)
Dry weight:	17 kg (37.5 lbs.)

PERFORMANCE

Maximum airflow:	6500 m^3 per hour
Fan speed:	0-1380 rpm

CONTROL AND PROGRAMMING

Control options:	Remote control (supplied), onboard DMX
Remote control features:	Instant or timer-controlled output, 0-100% adjustable output level Delay 2-144 seconds, run time 2-144 seconds
DMX channels:	1
Protocol:	USITT DMX512/1990

CONSTRUCTION

Housing:	Steel & aluminum

INSTALLATION

Orientation:	Any

ELECTRICAL

AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz

APPROVALS

EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
US safety:	UL Std. 507

ACCESSORIES

AF-2 Touring Frame:	P/N 92620006

ORDERING INFORMATION

Jem AF-2 Fan, 110 V:	P/N 92615400
Jem AF-2 Fan, 240 V:	P/N 92615300

MAGNUM 2500 Hz™

The Magnum 2500 Hz is a plug-and-play, easy-to-use hazer suitable for DJ's, smaller venues, bars, and clubs. With a large fluid container and optional DMX the hazer is ideal for installations.

Features

- Continuous output
- Output and density level control
- 2500 m³/min fog output
- Integrated fan
- 900 W heat exchanger
- 3.8 liter fluid capacity
- Optional DMX interface
- Timer and output level remote control
- Internal remote control storage

Specifications

PHYSICAL	
Length:	455 mm (17.9 in.)
Width:	285 mm (11.2 in.)
Height:	280 mm (11.0 in.)
Dry Weight:	11.9 kg (26.2 lbs.)
PERFORMANCE	
Coverage volume:	2500 m^3 per minute
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	6-8 minutes
CONTROL AND PROGRAMMING	
Control options:	DMX (optional accessory), Timer Remote
Control options:	Instant or timer-controlled variable output
DMX channels:	1
Protocol:	USITT DMX512/1990
CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	900 W, direct thermal protection
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	3.8 l
Fluid consumption at peak output:	10.5 ml per minute
INSTALLATION	
Orientation:	Floor
ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	40° C (104° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 60 335-1 (1995)
EU safety:	EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 50366
US safety:	UL Std. 60335-1
US safety:	CSA-E 60335-1
ACCESSORIES	
Pro Haze (Haze mix) fluid	
DMX Interface:	P/N 91612011
Remote control:	P/N 92765033
ORDERING INFORMATION	
Martin Magnum 2500HZ, 110 V:	P/N 92225400
Martin Magnum 2500HZ, 240 V:	P/N 92225450

MAGNUM 2000™

The most specified fog machine in the world. The Magnum 2000 is the authority in portable fog machines. Few other portable foggers can match the optional DMX controlled output of the Magnum 2000, or its logical plug and fog simplicity.

Features

- Continuous output
- 700 m^3/min fog output
- 1600 W heat exchanger
- 8 min heat-up time
- Floor standing or truss mounting
- 9.5 liter fluid capacity
- Different fluid options for different applications
- Optional DMX
- On-board control panel
- Removable panel for remote control
- Timer and output level remote control

Specifications

PHYSICAL

Length:	695 mm (27.4 in.)
Width:	356 mm (14.0 in.)
Height:	325 mm (12.8 in.)
Dry weight:	13 kg (28.7 lbs.)

PERFORMANCE

Max. fog output (approx.):	700 m^3 per minute
Max. operating time at full output (approx.):	180 minutes
Warm-up time (approx.):	8 minutes

CONTROL AND PROGRAMMING

Control options:	Remote control (supplied), DMX with optional DMX interface module
Remote control features:	Instant or timer-controlled variable output

CONSTRUCTION

Housing:	Steel & aluminum
Heat exchanger:	1500 W, direct thermal protection

FLUID SYSTEM

Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	9.5 l
Fluid consumption at peak output:	95 ml per minute

INSTALLATION

Orientation:	Floor or flying kit

ELECTRICAL

AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz

THERMAL

Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)

APPROVALS

EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)

ACCESSORIES

Pro Smoke Studio (DX Mix) fluid	
Pro Smoke Super (ZR Mix) fluid	
Pro Smoke High Density (SP Mix) fluid	
I-fog fluid	
Ducting Kit incl. adapter and 5 m of 4-inch (104mm) ducting:	P/N 92625006
DMX interface Magnum 2000:	P/N 90758020

ORDERING INFORMATION

Martin Magnum 2000, 230 V:	P/N 92228000
Martin Magnum 2000, 115 V:	P/N 92228100

MAGNUM 1800™

The Magnum 1800 is a high-powered fogger suitable for any installation - from the largest to the smallest. Highly flexible, the 1800 is built sleek and rugged.

Features

- Continuous output
- 580 m^3/min fog output
- 1000 W heat exchanger
- 9 min heat-up time
- Optional flying kit
- 3.8 liter fluid capacity
- Different fluid options for different applications
- Onboard DMX
- Internal remote control storage
- Timer and output level remote control

Specifications

PHYSICAL	
Length:	500 mm (19.7 in.)
Width:	232 mm (9.1 in.)
Height:	266 mm (10.5 in.)
Dry weight:	15 kg (33.1 lbs.)
PERFORMANCE	
Max. fog output (approx.):	580 m^3 per minute
Max. operating time at full output (approx.):	90 minutes
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	9 minutes
CONTROL AND PROGRAMMING	
Control options:	Remote control (supplied), onboard DMX
Remote control features:	Instant or timer-controlled variable output
CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	1150 W, direct thermal protection
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	3.8 l
Fluid consumption at peak output:	70 ml per minute
INSTALLATION	
Orientation:	Floor or flown in optional hanging bracket
ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
ACCESSORIES	
Regular DJ fluid	
Pro Smoke Super (ZR Mix) fluid	
Pro Steam Simulation fluid	
Pro Smoke Studio (DX Mix) fluid	
Pro Smoke High Density (SP Mix) fluid	
I-Fog	
Hanging bracket:	P/N 92610011
Ducting system:	P/N 92625009
ORDERING INFORMATION	
Martin Magnum 1800, 240 V:	P/N 92229001
Martin Magnum 1800, 110 V:	P/N 92229000

MAGNUM 1500™

The Magnum 1500 is an impressively powerful fog generator with a classic design, housed in a smart, sturdy compact casing.

Features

- Continuous output
- 550 m^3/min fog output
- 1200 W heat exchanger
- 7 min heat-up time
- Floor standing or truss mounting
- 2.3 liter fluid capacity
- Different fluid options for different applications
- Optional DMX interface
- Timer and output level remote control

Specifications

PHYSICAL	
Length:	445 mm (17.5 in.)
Width:	305 mm (12.0 in.)
Height:	178 mm (7.0 in.)
Dry weight:	11.1 kg (24.5 lbs.)
PERFORMANCE	
Max. fog output (approx.):	550 m^3 per minute
Max. operating time at full output (approx.):	80 minutes
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	7 minutes
CONTROL AND PROGRAMMING	
Control options:	Remote control (supplied), DMX with optional DMX interface module
Remote control features:	Instant or timer-controlled variable output
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	2.3 l
Fluid consumption at peak output:	80 ml per minute
INSTALLATION	
Orientation:	Floor or flying kit
ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
ACCESSORIES	
Regular DJ fluid	
Pro Smoke Super (ZR Mix) fluid	
Magnum 1500 DMX Interface Module:	P/N 91612000
DMX termination plug, 3-pin male XLR:	P/N 91613017
ORDERING INFORMATION	
Magnum 1500, 110 V, 60 Hz US Model:	P/N 91120100
Magnum 1500, 230 V, 50 Hz EU Model:	P/N 91120000

MAGNUM 1200™

The Magnum 1200 delivers a heavy punch of fog. It's built tough to meet the rugged demands of 24/7 nightlife.

Features

- Continuous output
- 290 m^3/min fog output
- 850 W heat exchanger
- 8 min heat-up time
- Optional flying kit
- 2.3 liter fluid capacity
- Different fluid options for different applications
- Optional DMX interface
- Internal remote control storage
- Timer and output level remote control

Specifications

PHYSICAL

Length:	450 mm (17.7 in.)
Width:	205 mm (8.1 in.)
Height:	244 mm (9.6 in.)
Dry weight:	10 kg (22.0 lbs.)

PERFORMANCE

Max. fog output (approx.):	290 m^3 per minute
Max. operating time at full output (approx.):	90 minutes
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	8 minutes

CONTROL AND PROGRAMMING

Control options:	Remote control (supplied), DMX with optional DMX interface module
Remote control features:	Instant or timer-controlled variable output

CONSTRUCTION

Housing:	Steel & aluminum
Heat exchanger:	850 W, direct thermal protection

FLUID SYSTEM

Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	2.3 l
Fluid consumption at peak output:	50 ml per minute

INSTALLATION

Orientation:	Floor or flying kit

ELECTRICAL

AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz

THERMAL

Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)

APPROVALS

EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)

ACCESSORIES

Regular DJ fluid	
Pro Smoke Super (ZR Mix) fluid	
Pro Steam Simulation fluid	
Pro Smoke Studio (DX Mix) fluid	
Pro Smoke High Density (SP Mix) fluid	
I-Fog	
DMX Interface:	P/N 91612011
Hanging bracket:	P/N 92610010
Ducting system:	P/N 92625009

ORDERING INFORMATION

Martin Magnum 1200, 110 V:	P/N 92228900
Martin Magnum 1200, 240 V:	P/N 92228901

MAGNUM 850™

The Magnum 850 is the perfect fog machine for small nightclubs, mobile DJs and bands. Compact and lightweight, it offers substantial cost and maintenance benefits over a long operational life.

Features

- Continuous output
- 200 m³/min fog output
- 750 W heat exchanger
- 8 minute heat-up time
- 1 liter fluid capacity
- Different fluid options for different applications
- Housing: Steel and aluminum
- Hand-held remote control
- Timer remote control (optional)

Specifications

PHYSICAL	
Length:	409 mm (16.1 in.)
Width:	165 mm (6.5 in.)
Height:	186 mm (7.3 in.)
Dry weight:	9.9 kg (21.8 lbs.)
PERFORMANCE	
Max. fog output (approx.):	200 m³ per minute
Max. operating time at full output (approx.):	80 minutes
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	8 minutes
CONTROL AND PROGRAMMING	
Control options:	Remote control (supplied)
Remote control features:	Manual switch
CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	750 W, direct thermal protection
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	1 l
Fluid consumption at peak output:	35 ml per minute
INSTALLATION	
Orientation:	Floor
ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	40° C (104° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
US safety:	UL Std. 60335-1
ACCESSORIES	
Regular DJ fluid	
Pro Smoke Super (ZR Mix) fluid	
Pro Steam Simulation fluid	
Timer Remote (Mag 850):	P/N 92765032
ORDERING INFORMATION	
Martin Magnum 850, 110 V:	P/N 92229110
Martin Magnum 850, 240 V:	P/N 92229111

MAGNUM 650™

The Magnum 650 fog machine offers the perfect boost of dense white fog to enhance every light effect. The fast heat-up time and extended operational period place the Magnum 650 as the clear leader in its class.

Features

- 160 m^3/min fog output
- 600 W heat exchanger
- 7 min heat-up time
- 1 liter fluid capacity
- Different fluid options for different applications
- Housing: Steel and aluminum
- Hand-held remote control

Specifications

PHYSICAL	
Length:	293 mm (11.5 in.)
Width:	216 mm (8.5 in.)
Height:	170 mm (6.7 in.)
Dry weight:	4.2 kg (9.3 lbs.)
PERFORMANCE	
Max. fog output (approx.):	160 m^3 per minute
Max. operating time at full output (approx.):	47 minutes
Warm-up time (approx.):	7 minutes
CONTROL AND PROGRAMMING	
Control options:	Remote control (supplied)
Remote control features:	Manual switch
CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	600 W, direct thermal protection
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	1 l
Fluid consumption at peak output:	23 ml per minute
INSTALLATION	
Orientation:	Floor
ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
US safety:	UL Std. 60335-1
ACCESSORIES	
Regular DJ fluid	
Pro Smoke Super (ZR Mix) fluid	
ORDERING INFORMATION	
Martin Magnum 650, 110 V:	P/N 92228810
Martin Magnum 650, 240 V:	P/N 92228811

MAGNUM HAZER™

The Magnum Hazer offers outstanding refraction. Incorporating some of the most complex technology behind the simplest interface, the Magnum Hazer is one of the most effective, mid-sized haze solutions available today.

Features

- Output and density level control
- Continuous output
- 2000 m^3/min haze output
- Integrated high velocity fan
- 900 W heat exchanger
- Less than 3 min heat-up time
- 2.5 liter fluid capacity
- Sealed fluid bottle-cap
- Low fluid sensing
- Onboard DMX
- Onboard control panel
- Optional multifunctional remote control

Specifications

PHYSICAL	
Length:	420 mm (16.5 in.)
Width:	246 mm (9.7 in.)
Height:	303 mm (11.9 in.)
Dry weight:	11 kg (24.3 lbs.)
PERFORMANCE	
Coverage volume:	2000 m^3
Max. operating time at full output (approx.):	7 hours
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	3 minutes
CONTROL AND PROGRAMMING	
Control options:	Onboard control panel, onboard DMX, master/slave, optional digital remote
Control options:	Instant or timer-controlled variable output
DMX channels:	2 (output and fan)
	Up to 4 machines linkable in master/slave mode
Protocol:	USITT DMX512/1990
CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	900 W, direct thermal protection
FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure
Onboard fluid capacity:	2.5 l
Fluid consumption at peak output:	360 ml per hour
INSTALLATION	
Orientation:	Floor or flying kit
ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz
THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)
APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)
US safety:	UL Std. 60335-1
ACCESSORIES	
Pro Haze (Haze mix) fluid	
Digital Multi-function Remote Control:	P/N 92765026
ORDERING INFORMATION	
Martin Magnum Hazer, 110 V:	P/N 92225800
Martin Magnum Hazer, 240 V:	P/N 92225700

MAGNUM CLUB SMOKE™

Magnum Club Smoke is a unique twin-headed fog package with a remote, ground based fluid supply. The two compact fog heads (each with a 1000 W heater) deliver a continuous, high volume of dense white fog.

Features

- Base unit allows heads to be positioned up to 50 meters away
- Up to 4 heads in one system
- Continuous output
- 500 m^3/min fog output (per head)
- 1000 W heat exchanger
- 7 min heat-up time
- Truss mounting
- 10 liter fluid capacity
- Different fluid options for different applications
- Onboard DMX
- Multifunctional remote control

Specifications

PHYSICAL	
Length (Head):	330 mm (13.0 in.)
Width (Head):	310 mm (12.2 in.)
Height (Head):	165 mm (6.5 in.)
Dry Weight (Head):	10 kg (22.0 lbs.)
Length (Base):	410 mm (16.1 in.)
Width (Base):	290 mm (11.4 in.)
Height (Base):	480 mm (18.9 in.)
Dry weight (Base):	12 kg (26.5 lbs.)

PERFORMANCE	
Max. fog output (approx.):	500 m^3 per minute per head
Max. operating time at full output (approx.):	71 minutes (full 4-head system)
Operating time:	Continuous, automatic level adjustment
Warm-up time (approx.):	7 minutes

CONTROL AND PROGRAMMING	
Control options:	Remote control (supplied), DMX, 0-10 V analog
Remote control features:	Instant or timer-controlled variable output
Timer range:	Delay time 2-144 seconds, run time 2-144 seconds
DMX channels:	1
Protocol:	USITT DMX512/1990

CONSTRUCTION	
Housing:	Steel & aluminum
Heat exchanger:	1000 W, direct thermal protection

FLUID SYSTEM	
Fluid pump:	Oscillating piston, high pressure X2
Onboard fluid capacity:	10 l
Fluid consumption at peak output:	100 ml per minute, per head

INSTALLATION	
Orientation (Head):	Any (ceiling panel or wall recommended)
Orientation (Base):	Floor or wall mount

ELECTRICAL	
AC power (EU models):	220-240 V nominal, 50 Hz
AC power (US models):	110-120 V nominal, 60 Hz

THERMAL	
Maximum ambient temperature (Ta max.):	40° C (104° F)
Exterior surface temperature, steady state:	50° C (122° F)
Max. nozzle temperature:	200° C (392° F)

APPROVALS	
EU safety:	EN 50 081-1, EN 50 082-1
EU safety:	EN 60 335-1 (1995)

ACCESSORIES	
Pro Smoke Studio (DX Mix) fluid	
Pro Smoke Super (ZR Mix) fluid	
Pro Smoke Super (Fragranced) fluid	
Pro Smoke High Density (SP Mix) fluid	
I-fog fluid	
10 m length of 6 mm fluid line for Club Smoke head*:	P/N 62520020
T-connector for Club Smoke fluid line:	P/N 26460060

*P/N *For alternative lengths please contact jem-service@martin.dk*

ORDERING INFORMATION	
Martin Magnum Club Smoke Base, 110 V:	P/N 92250100
Martin Magnum Club Smoke Base, 240 V:	P/N 92250000
Martin Magnum Club Smoke Heads (x2), 110 V:	P/N 92620001
Martin Magnum Club Smoke Heads (x2), 240 V:	P/N 92620000

FOG and HAZE FLUIDS

Martin offers the widest and most popular range of atmosphere generating fog, haze and heavy fog fluid around. Ideal for use in theatres, discos, clubs, concerts, festivals and even television applications, our fluid is effective, safe and economical. All fluids are environmentally friendly and water based. They are made from the highest quality food grade polyfunctional alcohols which are diluted with water and purified by double reverse osmosis and an ultra-violet filtration process. This guarantees a virtually mineral and bacteria free product.

We want you to be totally satisfied with your fog machine. Only by using our fluid can you be 100% guaranteed that your fog machine will operate optimally. Possible problems, including a shortened machine life and possible health risk may occur with the use of any other type of fog fluid.

The efficiency and quality of the fluids have been greatly enhanced since the opening of our new fluid production facility in Lincolnshire, England. A fully automated and programmable mixing and pouring system has been installed in a virtually sterile environment that guarantees a pure, precise product. This new facility will effectively increase the production of our fluids while ensuring high quality and safety standards.

We make the finest range of fog fluids in the world. The reliability of fog machines and your good health are important to us.

HAZE

Pro Haze fluid™

Specially formulated for the range of hazers including ZR 24/7, Magnum Hazer and Magnum 2500 Hz this fluid is also ideal for use with the Roadie X-Stream and Roadie Compact when in Haze mode. A fine optically transparent airborne medium is produced with a light to medium index of refraction - ideal for beam projection. Available in 4 x 2.5 l, 9.5 l and 220 l containers.

FOG

i-fog™

i-fog is not only kind to your lights, but is also more economical to use thanks to its incredible long “hang time” characteristics. In environments unaffected by extraction and air-conditioning, i-fog can be expected to last 30% longer. In fact it is essential that all auto-timer programmed foggers be adjusted to lower output, shorter duration and longer delays in repeat firing, to avoid atmospheric saturation Available in 4 x 5 l, 9.5 l and 220 l containers.

Pro Smoke Super (ZR mix)™

This industry standard fluid is the automatic choice of most users. A dense white airborne fog is produced with a medium length dispersal time. Its medium to high index of refraction makes this formula ideal for all effects. Available in 4 x 5 l, 9.5 l, 25 l and 220 l containers.

Pro Smoke Studio (DX mix)™

In a studio or theatre environment, a lighter, faster dispersing fog is often preferred. Pro-Smoke Studio offers a less dense environment to Pro-Smoke Super and is therefore less likely to interfere with TV camera focusing. Available in 4 x 5 l containers.

Pro Smoke High Density (SP mix)™

The SP mix generates a high density, white, airborne fog with a very high index of refraction and slower evaporation rate. It is well suited for scenic obscuring and strobes “white-out”. Available in 4 x 5 l, 9.5 l and 220 l containers.

Regular DJ fluid (DJ mix)™

This specially formulated economy mix is perfect for medium density, airborne fog effects. It is particularly well suited for the Magnum 650 and 850. Available in 4 x 5 l, 9.5 l and 220 l containers.

Pro Steam Simulation™

Steam simulation fluid specifically designed for ‘steam’ effects. Creates a white burst, but is fast dispersing. Used in the Hydra system or the Roadie Compact you get ‘CO2 burst’ line effects. Available in 9.5 l and 25 l containers

HEAVY FOG

Heavy fog fluid (B2 mix)™

This specially made fluid produces a dense ground-hugging effect which will disperse and evaporate before any visible rising. B2 is ideally suited for dramatic scenes involving a lot of stage activity or dance. Available in 4 x 5 l, 25 l and 220 l containers.

Heavy fog fluid (C3 mix)™

A longer lasting, higher density fog is sometimes required in a more controlled environment.

With its longer “hang time”, C3 Mix is ideal for “waterfall” and “curtain” type effects. Available in 4 x 5 l and 220 l containers.

ACCESSORIES

A comprehensive range of accessories is available to enhance the capabilities of our fog and haze generators. Every installation, theatrical production or staged event has specific requirements and Martin smoke machine accessories help to tailor our standard range of machines for these special applications.

Our fog and haze machines are designed to give long reliable service. However, it is quite conceivable that your requirements might change and when they do, many of yesterday's models can be simply upgraded for today's needs.

DUCTING SYSTEMS

The range of Ducting Systems is designed for use when the fog needs to be distributed to less accessible locations. The wide diameter ducting will minimize condensation and maximize fog flow.

- Available for: Magnum 650, Magnum 850, Magnum 1200, Magnum 1800, Magnum 2000, ZR33 Hi-Mass, Glaciator X-Stream and Roadie Compact.
- Ducting Systems come with ducting adapter and 5 meters of ducting.
- Glaciator Twin Ducting System - includes twin outlet ducting adapter, fixings and 2 x 5 m of 150 mm diameter ducting.

DRIP TRAYS

All installers of night club fogging systems will appreciate this useful accessory. The slim line tray simply attaches to the front edge of the fog machine and is designed to catch any small drops of condensation, which typically form around the fog output nozzle. The tray is fitted with a highly absorbent material, which will dry out automatically thanks to the heat transfer from the machines' vaporizing chamber.

HYDRA ACCESSORIES

The list of accessories for the Hydra system is available for larger installations or longer fluid line runs. Also the list features the Self-sealed Connectors that allow you to easily service the system or even take it on touring!

- Self-seal Connector 2x6 mm
- Self-seal Connector 2x10 mm
- Connector 2x10 mm straight
- Tubing 10 mm, 30 m
- Tubing 6 mm, 50 m

MAGNUM CLUB SMOKE ACCESSORIES

The Magnum Club Smoke is supplied with the accessories needed to get you started. However, it may be necessary to extend fluid lines or add extra Fog Heads. A full range of fluid line connectors is available to meet the varying challenges of club installations. All fittings are of a "push-in" type and require no tools.

- 6 mm Nylon Fluid Line
- 6 mm to 6mm Push-in Connectors (for joining lengths of 6mm fluid line)
- 6 mm "T" Connector (for splitting fluid supply to an additional (Fog Head)

DMX INTERFACE

Martins range of DMX interfaces for Magnum and Jem smoke machines allows you to upgrade most models of Fog and Haze Machines from Analog control (standard fog machine controller) to accepting a control signal from a DMX Source.

- DMX Interface for Magnum 2000
- DMX Interface for Magnum 1200
- DMX Interface for Magnum 1500
- DMX Interface for Magnum 2500 Hz

REMOTE CONTROL

Many Martin fog and haze machines are supplied with a remote control, or with the possibility for using a remote control. Martin offers several remote controls, such as simple on/off remotes, timer and output control remotes, and digital remote controls for running fog and haze machines from backstage.

ACCESSORIES

FLIGHTCASES

CLAMPS

SAFETY WIRE

RAINMAC™

TOOLS

CABLES

LAMPS

COLORS

GOBOS

WOODROFFE GOBO COLLECTION

FLIGHTCASES

In order to fully protect and conveniently transport Martin lights while on the move, a full range of durable flight cases is available.

Built to endure the rigors of the touring and rental market, these classic cases are manufactured from top-quality, water-resistant 9 mm ply. The exterior is covered in a tough, water-repellent, black grained finish with 30 mm aluminum edge protection and tough steel corners.

Resilient roller castors are mounted to the base for easy roll-on/roll-out and convenient spring-back, steel carrying handles provide for easy grip and handling.

For a full list of existing flightcases check out www.martin.com/flightcases

CLAMPS

Martin clamps are manufactured from premium extruded aluminum, are supplied with A grade 8.8 M12 bolt and self-locking nut for maximum safety, and fasten to existing or new 1/4-turn omega brackets. All clamps and brackets will soon come with TÜV and SWL markings.

MARTIN HALF-COUPLER CLAMPS

can be used with any product that accepts a standard clamp. They fit 48 to 51 mm (1 7/8 - 2 inch) diameter trusses and provide a large contact area for excellent grip. Martin half-couplers mount fixtures close to the truss and cause minimal truss wear and tear. They are recommended for permanent installations and mount with an M12 bolt (included).

MARTIN G-CLAMPS

can be used with any product that accepts a standard clamp and were specially designed for the Martin omega bracket. They fit 40 - 51 mm (1 1/2 - 2 inch) diameter trusses and their ribbed aluminum clamping surfaces give better grip than steel. The wide spring-loaded clamp plate tightens securely without scratching. Martin G-clamps are low-cost and include an M12 bolt for fastening to omega clamps.

MARTIN T-SHAPED OMEGA BRACKET AND QUICK TRIGGER CLAMP

To solve the problems caused by the different dimensions of different truss systems, we have designed the new T-shaped omega bracket and quick trigger clamp. Compact and mounted in a couple of seconds, the Martin quick trigger clamp is a modern universal clamp that can be used with 38.1 - 51 mm (1 1/2 - 2 inch) diameter trusses. The clamp is 30 mm (1.2 inches) wide. It has spring-loaded jaws, a large, easy-grip T-handle for rapid leveraged tightening and an M12 bolt for fastening to standard omega brackets. It makes installing fixtures in the rig faster and easier, minimizing down-time. It provides excellent grip without damaging trusses.

The Martin T-shaped omega bracket is a fast, easy and secure system for attaching Martin fixtures to trusses with different dimensions. Adjustable clamp spacing lets you use the 1/4 turn fasteners in Martin 250 and 550 series bases when installing fixtures in all common truss designs.

ORDERING INFORMATION

Two Omega brackets with 1/4-turn fasteners:	P/N 91602001
G-clamp:	P/N 91602003
Half-coupler clamp:	P/N 91602005
Quick trigger clamp:	P/N 91602007
Two T-shaped Omega brackets with 1/4 turn fasteners:	P/N 91602008

SAFETY WIRE

Martin safety wires are designed for easy attachment to Martin products providing them with a safe working load (SWL) of 50 kg.

Specifications

PHYSICAL	
Length:	635 mm (25 in.)
Length between loops:	600 mm (23.6 in.)
Wire diameter:	5 mm (0.2 in.)
SWL:	50 kg (110 lbs.)
ORDERING INFORMATION	
Safety wire, universal, 50kg SWL:	P/N 91604003

RAINMAC™

The RainMAC is a simple and effective way to protect your MAC luminaires from rain and moisture. Ideal for festivals and outdoor events, the tough, UV-resistant RainMAC covers the base of any MAC moving light to protect it from the worst of the elements, enabling your show to keep running in wet weather.

Extremely easy to fit, the RainMAC has 12 slots for all Omega Bracket positions and has attachment points for safety wires. Plastic plugs close the unused slots, deflecting a degree of moisture or rain. The RainMAC stacks easily for transport and is flexible and robust.

Specifications

PHYSICAL	
Width:	465 mm (18.3 in.)
Length:	525 mm (20.7 in.)
Weight:	1.1 kg (2.4 lbs.)
ORDERING INFORMATION	
RainMAC (minimum order 4 items):	P/N 91611082

TOOLS

Martin can supply a range of useful lighting tools and equipment. Some examples are given below.

UV PROTECTION GLASSES

UV protection glasses protect the eyes against dangerous UV radiation from a discharge source. To avoid exposure, all Martin fixtures are equipped with UV filters, however UV glasses can be essential in service/maintenance departments.

2 MM T-SHAFT ALLEN KEY

This handy tool is very useful in service/maintenance departments when changing or adjusting color/gobo wheels and other effects.

LINK/STEPPER DRIVER TESTER

The Link Tester allows you to check the XLR serial link for problems quickly and easily. It also tests the stepper drivers used in Martin products. Both features make it extremely valuable for fast on-site troubleshooting.

CABLES

Martin can supply a range of high-quality cables with excellent electrical and physical specifications. Data cables are new for 2007.

The universal Martin data cables are available in various lengths from 1 m (3 ft.) to 20 m (65 ft.) and in three types for RS-485 (DMX), Ethernet and color scroller applications. We have optimized the wiring design and incorporated a hard-wearing environmentally safe jacket, making the cables suitable for both touring and installation. All 1-pair cables are fitted with 3-pin and all 2-pair cables with 5-pin Amphenol XLR connectors. The flame-retardant, low-smoke, zero halogen cables are heavy duty, have excellent deformation recovery, and are approved to IEC 60332.1, UL-CL, UL-444 and VW-1. They have been tested and approved by both rental and installation customers.

Other cable types are listed under the relevant products in this Product Guide.

See www.martin.com/cables for details of all cables currently available.

LAMPS

Part Number	Lamp	Type	Wattage	Used in
97010307	MAX-15 Xenon lamp	Xenon	3000	Atomic 3000 DMX
97010308	MAX-7 Xenon lamp	Xenon	3000	Atomic 3000 DMX
97010322	Osram HTI 1500 W/D7/60 SharXS lamp	Metal Halide	1500	MAC 2000 Wash XB
97000006	Philips Hi-Brite 1200/80 FastFit 80 V lamp	Tungsten Halogen	1200	MAC TW1, 80 V *
97000112	Philips 1200/115 FastFit 115 V lamp	Tungsten Halogen	1200	MAC TW1 *
97000113	Philips 1200/230 FastFit 230 V lamp	Tungsten Halogen	1200	MAC TW1 *
97000114	Philips 1200/240 FastFit 240 V lamp	Tungsten Halogen	1200	MAC TW1 *
97010304	Osram HTI 1200 D7/60 SharXS lamp	Metal Halide	1200	MAC 2000 Performance II * MAC 2000 Profile II * MAC 2000 Wash *
97010310	Philips MSR 1200 SA/DE Gold lamp	Metal Halide	1200	MAC 2000 Performance II MAC 2000 Profile II MAC 2000 Wash
97010313	Philips MSD 1200 lamp	Metal Halide	1200	Exterior 1200 Image Projector Exterior 1200 Wash
97010212	Osram HTI 700/ D4/75 lamp	Metal Halide	700	MAC 700 Profile MAC 700 Wash
97010200	Osram HSR 575/2 lamp	Metal Halide	575	Exterior 600 * MAC 600 * MAC 600 NT *
97010201	Philips MSR 575/2 lamp	Metal Halide	575	Exterior 600 * MAC 600 MAC 600 NT
97010202	Philips MSD 575 lamp	Metal Halide	575	Exterior 600 MAC 600 * MAC 600 NT *
97010207	Osram HSD 575 lamp	Metal Halide	575	Exterior 600 * MAC 600 * MAC 600 NT *
97010230	GE CSR 575/S/DE/70 lamp	Metal Halide	575	MAC 575 Krypton
97010211	Osram HTI 400/D3 lamp	Metal Halide	400	MAC 550
97000104	Osram ELC, 24 V / 250 W, 50 hour halogen lamp	Halogen	250	Raptor * T-Rex *
97000107	Philips 500 h ELC halogen lamp	Halogen	250	T-Rex *
97000108	Osram ELC-7/X, 24 V / 250 W, 700 hour halogen lamp	Halogen	250	T-Rex *
97000111	Philips ELC 10H 250 W 1000 hour lamp	Halogen	250	Mania EFX500 Mania SCX600 Raptor T-Rex

** Approved for this product., but not included*

Part Number	Lamp	Type	Wattage	Used in
97000115	Philips 6958 10H 24 V, 250 W 1000 hour lamp	Halogen	250	Mania DC3 Mania PR1
97010100	Philips MSD 250/2 lamp	Metal Halide	250	MAC 250 Krypton * Wizard Extreme * CX-10 Extreme MAC 250 Entour MAC 250 Wash MX-10 Extreme
97010116	Osram HSD 250/80 lamp	Metal Halide	250	Imager Series MAC 250 Entour * MAC 250 Wash * Wizard Extreme MAC 250 Krypton
97000110	Philips EFR/5H JCR 15 V, 150 W H5 halogen lamp	Halogen	150	Mania SCX500
97010101	Osram HQI-R 150 lamp	Metal Halide	150	FiberSource CMY150 * FiberSource QFX 150
97010111	Philips CDM-SA/T 150 W lamp	Metal Halide	150	Alien 02 Pendant Alien 02 Spot Exterior 200 Inground 200 Mania SCX700 Mania SCX800 smartMAC* Mania EFX600 Mania EFX700 Mania EFX800
97010113	Philips CDM-SA/R 150 lamp	Metal Halide	150	FiberSource B150 FiberSource CMY150
97010117	Philips MSD 150/2 lamp	Metal Halide	150	smartMAC
97000004	Philips EFP/8H 12 V, 100 W lamp	Halogen	100	Mania DC1 Mania DC2 Mania EF2 Mania EF3 Mania EF4
97020006	Osram T5 FQ 54 W/60 HO red tube	Fluorescent	54	Cyclo Directional Cyclo IP65 Directional Stage Cyclo Cyclo IP65 03 Cyclo IP65 03 DMX
97020007	Osram T5 FQ 54 W/66 HO green tube	Fluorescent	54	Cyclo Directional Cyclo IP65 Directional Stage Cyclo Cyclo IP65 03 Cyclo IP65 03 DMX
97020008	Osram T5 FQ 54 W/67 HO blue tube	Fluorescent	54	Cyclo Directional Cyclo IP65 Directional Stage Cyclo Cyclo IP65 03 Cyclo IP65 03 DMX
97020009	Osram T5 FQ 54 W/827 HO 2700 K warm white tube	Fluorescent	54	Stage Cyclo * Cyclo IP65 Directional *

** Approved for this product., but not included*

LAMPS

Part Number	Lamp	Type	Wattage	Used in
97020010	Osram T5 FQ 54 W/840 HO 4000 K cool white tube	Fluorescent	54	Stage Cyclo * Cyclo IP65 Directional
97020011	Osram T5 FQ 54 W/865 HO 6500 K daylight white tube	Fluorescent	54	Stage Cyclo * Cyclo IP65 Directional
97000005	Osram ENL 12 V, 50 W lamp	Halogen	50	Alien 05 Recessed Alien 05 Stem Mount
97020000	Osram T5 FH 28 W/827 HE 2700 K warm white tube	Fluorescent	28	Cyclo 02 Cyclo 04 * Cyclo 04 Wallwasher * Cyclo IP65 02 Cyclo IP65 02 DMX Cyclo IP65 04 * Cyclo IP65 04 DMX *
97020001	Osram T5 FH 28 W/840 HE 4000 K cool white tube	Fluorescent	28	Cyclo 04 Cyclo 04 DMX Cyclo 04 Wallwasher Cyclo IP65 04 Cyclo IP65 04 DMX
97020002	Osram T5 FH 28 W/860 6000 K white	Fluorescent	28	Cyclo 02 Cyclo 04 * Cyclo 04 Wallwasher Cyclo IP65 02 Cyclo IP65 02 DMX Cyclo IP65 04 * Cyclo IP65 04 DMX *
97020003	Osram T5 FH 28 W/60 HE red tube	Fluorescent	28	Cyclo 03 Cyclo 03 DMX Cyclo 04 Cyclo 04 DMX Cyclo 04 Wallwasher Cyclo IP65 04 Cyclo IP65 04 DMX Cyclo IP65 03 Cyclo IP65 03 DMX
97020004	Osram T5 FH 28 W/66 HE green tube	Fluorescent	28	Cyclo 03 Cyclo 03 DMX Cyclo 04 Cyclo 04 DMX Cyclo 04 Wallwasher Cyclo IP65 04 Cyclo IP65 04 DMX Cyclo IP65 03 Cyclo IP65 03 DMX
97020005	Osram T5 FH 28 W/67 HE blue tube	Fluorescent	28	Cyclo 03 Cyclo 03 DMX Cyclo 04 Cyclo 04 DMX Cyclo 04 Wallwasher Cyclo IP65 04 Cyclo IP65 04 DMX Cyclo IP65 03 Cyclo IP65 03 DMX

** Approved for this product, but not included*

COLORS

Martin lights are equipped with high quality dichroic color filters enabling rich and long-lasting color projections.

The advantage of using dichroic filters is the durability and efficiency they offer. Dichroic filters are designed to reflect – rather than absorb – light's energy and since they absorb little heat, they can transmit more light and remain stable without fading or burning out. They also provide excellent color uniformity with no edge distortion, stray colors or halation effects.

A wide variety of different color options are available including the following Lee colors. To view the full array of available colors, visit the Martin website at www.martin.com. For special color requests, contact your local Martin dealer.

Lee Equivalent Colors

# 2		# 141	
# 3		# 152	
# 20		# 164	
# 46		# 172	
# 48		# 179	
# 68		# 180	
# 71		# 181	
# 89		# 182	
# 101		# 195	
# 104		# 196	
# 105		# 203	
# 113		# 205	
# 116		# 323	
# 122		# 328	
# 124		# 354	
# 126		# 363	
# 128		# 757	
# 131			

GOBOS

Metal

Kaleidoscope

Bambus

Medium Dot

Worms

Milky Way

Splodge

Bricks

Threads

Fat Bar

4 Fan

Twisted Triangle

Sun

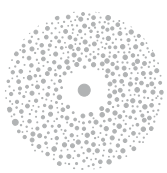
Brush Strokes

Lashes

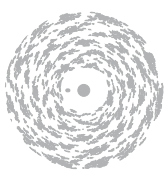
Lotus

Radial Dashes

Animation Wheels


Dot Breakup

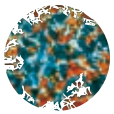
Spiral Breakup

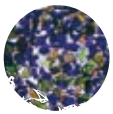

Cloud Breakup

Gobos are used to create special patterns or lighting effects on stage or to project images and logos in commercial applications. Martin offers a wide selection of unique gobos designs of varying types: lithographic, metal, fused and textured glass.

The gobos featured here represent a small sample of what we have in stock. The Martin gobo selection includes all the most popular and useful designs and are always available for instant delivery. The complete selection of Martin gobos can be seen on the Martin homepage at www.martin.com

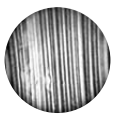
Fused


Blue Orange


Green Blue

Red

Texture


Fibroid

Limbo

Samba

Lithographics

3D Star

Alien Brain

Apollo

Banner

Chillie Willie

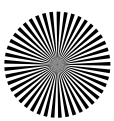
Congo Star

Whirlings

Molecular

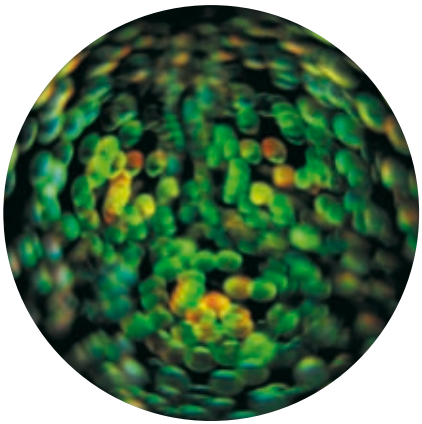
Ninja Blade

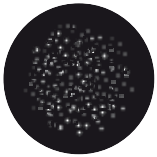
Paint Mix


Jet Fan

Pipe Dreams

WOODROFFE GOBO COLLECTION




Matticus

Reeds

Botanical

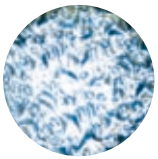
Spring

Atoms

Multi-dots

Molten

Maze


Crystal*

Stick-men

Lilium

Moroccan

Quintuple

"Our aim in designing a new set of gobos for the MAC 2000 Profile, was to give a new lease of life to a well-loved and familiar fixture, and in doing so, allow designers to rediscover its potential.

We were determined that each gobo had to work on its own merits, either as a simple projection or as a kinetic effect when looking back down the light. The three-dimensional depth and mesmerizing effects, as the designer combines different gobos in their various permutations, should be seen as a bonus!

Nature and architecture have been constant inspirations in the choice of images, but we have been surprised at how under certain conditions of focus and zoom one element has so easily taken on such a different form, mood and appearance.

In designing the gobos we have been mindful of the need for the images to work for a variety of disciplines and designers - for theatre, for television, for live performance and for installations. I hope that there is something here for everyone."

Patrick Woodroffe & Adam Bassett

** The Crystal gobo is included in the MAC 2000 series*

SERVICE

MARTIN SERVICES

Martin Professional is the only intelligent lighting manufacturer to offer a complete and comprehensive service package anywhere in the world.

7 days a week, 24 hours a day, we are there for you.

Martin Services protect your investment and ensure your equipment operates at its optimum performance year after year, no matter what environment.

With a range of service contracts to suit each and every application, Martin Service takes the hassle out of installation and maintenance and gives you a true and healthy return on your investment.

Martin Services offer

- Trouble-free installation
- Equipment upgrades
- Easy access to spare parts
- Optimized return on investment
- Access to product expertise
- Product training
- Extended warranty
- On-line advice and questions answered
- On-site service contracts

24 hour support hotline

- Worldwide: +45 70 200 201
- USA: 1-888-TECH-180

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